

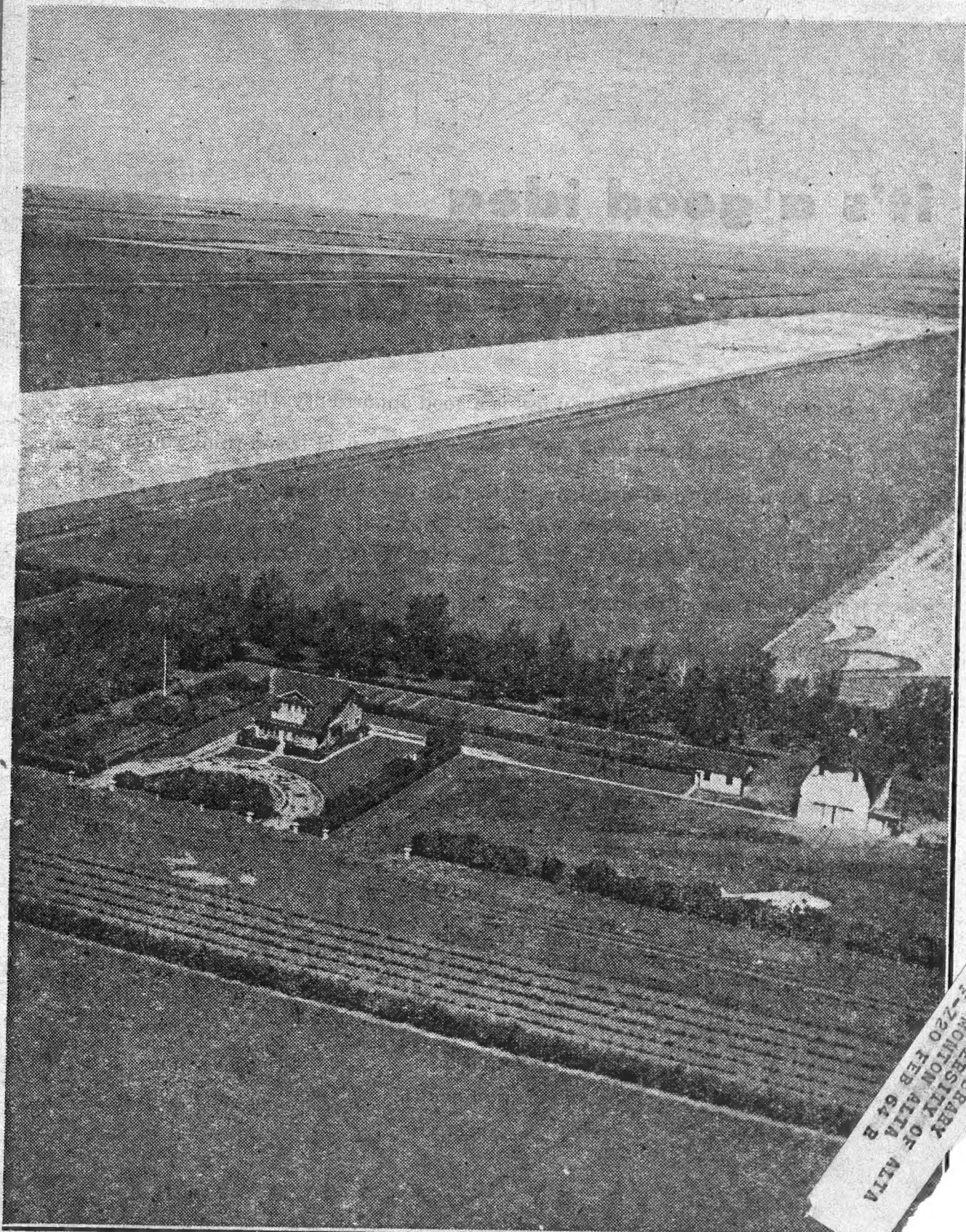
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Farm and Ranch REVIEW

October
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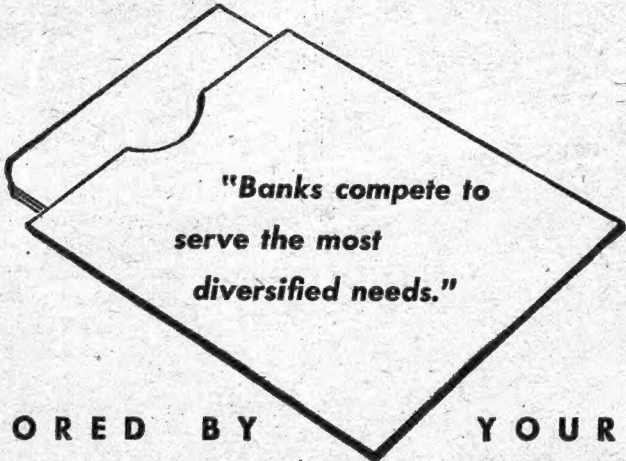


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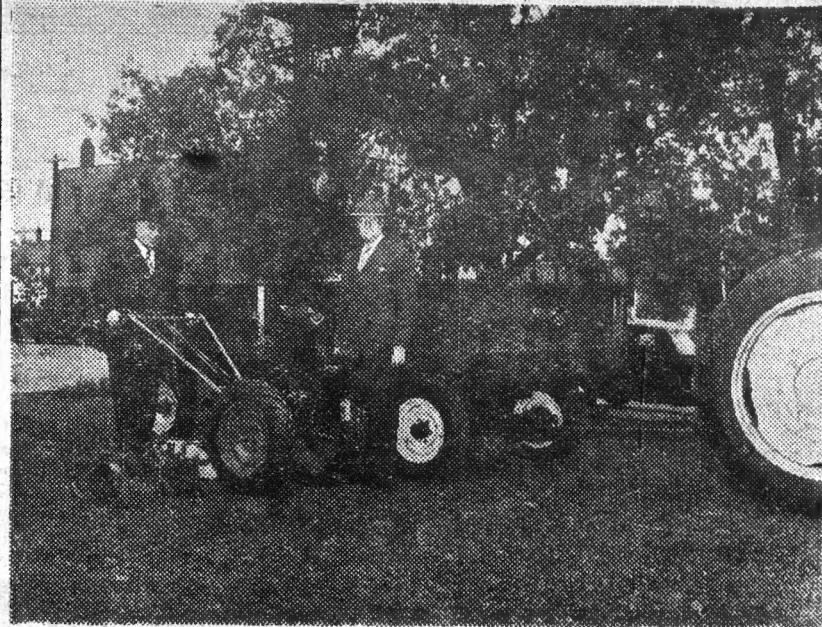
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Emblematic of the cordial relations between Canada and the United States, the International Peace Garden was recently presented with a completely equipped garden tractor and farm wagon shown above, by the Cockshutt Plow Company Limited.

W. Mackie (right), Manager, Cockshutt Winnipeg Branch, is shown making the presentation to D. G. McKenzie, President of the International Peace Garden, Inc.

The Peace Garden was officially opened in July, 1932. Embracing about 2,200 acres of land, it is located on the Manitoba-North Dakota border in almost the geographical centre of the North American continent.

Common-sense fire prevention

THERE is still time before winter sets in to prevent fires in farm homes and buildings. Here are some common-sense rules that cost nothing to apply:

Keep the attic, basement, out-buildings, and the place generally free of trash and rubbish that can cause fire or attract lightning.

Store gasoline, kerosene, oils and other inflammable materials at a safe distance from buildings.

Provide a safe place to dispose of hot ashes from the stove or furnace.

Watch the careless smoker or the child with matches—every year they start fires that burn up a lot of valuable property.

Be very careful in using kerosene to start a fire in a stove.

Be sure hay is well cured before putting it in the barn unless there is a safe mow-curing system.

Inspect the lightning-rod system at least once a year. If there isn't a system on the place it probably would pay in the long run to have one.

Each fall it is a good idea to check over chimneys and flues for cracks that would permit flames to reach other parts of the house. These are two very important precautions. According to the National Board of Fire Underwriters, lightning is the most frequent cause of farm fires while defective chimneys and flues rank second.

Good housekeeping helps keep fires from starting. But the farmer also needs to be prepared to fight fires that do break out.

A ladder long enough to reach the top of the highest building should be kept in a handy place. If there is a water system on the farm, a few well-placed hose connections is good protection.

If there is no water system, a barrel of water tightly covered should be kept at every building. It's a good idea to paint them red and stencil **FOR FIRE ONLY** on them in large letters to prevent the water from being used for some other purpose.

Farm and Ranch Review

VOL. XLV. No. 10
CALGARY, OCTOBER, 1949

Founded in 1905 by
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EASTERN ADVERTISING OFFICES
414 Metropolitan Bldg.
Toronto, Ont.

W. H. Peirce, Representative

CONTENTS

	Page
Editorial	5 and 6
Carnival rackets	8
Why boys leave home	10
How to grow bulbs	12
Tips on welding	16
Kerry Wood	18
Prairie pastures	20
Fun page	36
Crossword	39
Sandwich time	42
Aunt Sal	43
Pattern	44

Published Monthly by
Farm and Ranch Review Limited
Printed by Western Printing &
Lithographing Co. Ltd.
Graphic Arts Bldg., Calgary, Alta.
Entered as Second-class Mail
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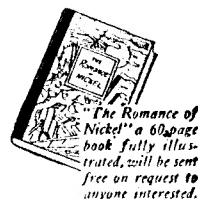
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Farm and Ranch Review Editorials

What do we do when we lose the British market?

PERHAPS it is because the world has had such a steady procession of momentous conferences that our senses have become dull. What other explanation is there for the fact that so much balderdash gets serious attention, provided it comes in the form of a prepared statement from an international conference?

There was the announcement, for example, from the Washington Anglo-American palaver that one constructive move agreed upon was the need to encourage American and Canadian investment in backward areas. This, it was explained, would provide Britain with some dollar exchange and ease the burden of development carried by the British.

This really takes the cake. It is like suggesting to an alcoholic that he should take a drink of whiskey to ease the pain of his headache. True, if American capital immediately rushed forward and invested a billion dollars in the Sterling area it would ease the current pressure on Britain. And just as surely it would create for Britain a much more severe dollar shortage in the future.

The Historic Facts

Britain rose to become the greatest power in the world by following one path through history. The Americans have risen to succeed Britain as the world's greatest power by going in the opposite direction. For a hundred years, Britain grew in strength and in wealth by pyramiding its investments abroad. That is, the British enterprisers, manufacturers, traders, industrialists took advantage of world-wide trade growth and development to make world-wide investments.

The returns on these investments, flowing steady back to Britain in annual dividends at very high rates, enabled the British to import more than she exported. The pound sterling was the universal currency and London was the world's banker. It invested capital in the form of equipment and management skill and took goods in payment. But two world wars liquidated practically the entire British overseas investment. It can no longer use dividends to balance its income with outgo. As a world banker it went broke, but the need for the bank persists.

The United States, on the other hand, rose to world power leadership by the development in the United States of its own natural resources. Fabulous deposits of coal, iron ore, oil and hydro electric power were developed by Americans risking their own capital; aided always by the demands for goods created by the expanding frontier. It is today the greatest industrial and financial power the world has ever seen.

Builders, Not Bankers

But the main attention of American bankers is focused where it has always been focused — inside the U.S.A. Americans are not a colonizing people. The

possibilities of Australia, Africa, India and other far-off places have never beguiled American investors as they have Englishmen since Raleigh's day. Where American investment has gone abroad it has been in simple extension of what might be called home-grown enterprise. A sort of slopping over of American corporations into neighboring countries.

To expect the Americans to move into the international financial vacuum created by the disappearance of Britain as the world's great banker is to expect the impossible. It is like expecting a great hockey player to step into a world series baseball game and hit a home run with his hockey stick. The hockey player, if forced into it, and if he works at it, may make a ball player, but not until he has gone through a long apprenticeship.

All of which leads to the melancholy conclusion that this currency problem is going to be with us for a great many years to come. And because it is, it is imperative that we try to understand it. And that "we" applies with equal force to Canadians to British and to Americans.

James Reston, the New York Times correspondent, in a recent dispatch from London, reported that he found the British people singularly disinterested in the whole currency problem. While British manufacturers were being exhorted to develop exports to dollar countries, they were increasing their business with the Sterling areas. The explanation was quite simple. They encountered troubles and frustrations trying to develop new markets in the United States. But they still had good markets, built up through decades of experience, with customers in the Sterling areas. They could sell everything they produced, and make all the profit the Government would permit them to keep, doing business at the old stand. So they concentrated on doing a profitable business at the old stand.

A Dull Story

Here in Canada, the dollar crisis is generally regarded as just another dull story in the newspapers or on the radio; a problem that gets solved by statesmen at conferences, or drags on and is forgotten. Or it is a kind of a catchphrase that is thrown carelessly about. We parrot inanities about increasing American investment in Canada easing our dollar shortage, when, in fact, it is the size of American investment in Canada that helps to create our dollar shortage.

If an effective assault is to be made on the problem it has got to be made from the bottom, not from the top. Exhortations by Government spokesmen in Britain, Canada or the United States will solve nothing. Governments can do a great deal to encourage trade by fiscal and taxation policies. In Canada, for example,

if American branch plants were told that they would have to earn American dollars with exports in order to get American dollars for raw materials, some good might result.

One thing is certain. Britain cannot go on indefinitely paying us American dollars for our wheat, dollars which we promptly spend in the United States. As a world banker, Britain could and did allow its customers complete freedom to exchange currency for currency. For years Canada used British pounds obtained for wheat to balance its payments to the United States. It can count on doing so no longer.

For the farmers of the West, a clear warning should be sounded that it is going to be extremely difficult, if not impossible, to hold the British market. What happens when that market goes? Will the full cost of the loss of this market be charged to the farmers? Or does the Canadian nation as a whole accept the responsibility? This is a question that should concern every farmer and farm organization in the West. We should make up our minds very definitely what we want. And we should have our whole campaign to get what we want prepared long before we are forced to use it.

★

Have you ever looked at your land?

IN our September issue we sought to arouse the interest of our farm readers in the damage being done to our soil by an allegorical report on desert-making in Saskatchewan. The reaction of several readers was:

"It was a good idea, but why pick on Saskatchewan?"

Since the article was written we have taken another trip through the prairies and hasten to straighten out the record. We mentioned the Plunkett-Viscount area of Saskatchewan in the hope of getting the whole discussion of erosion and soil damage right down to cases. All the writing and lecturing and experimental farm warnings about erosion, couched in general terms, seem to have accomplished very little. That is apparent all over the West. So we thought if we pointed a finger at the farmers in one district we could attract some attention to the problem.

But if the farmers of Alberta or Manitoba think that, by implication, they received a pat on the back, they are wrong. The same soil destroying practices so apparent in Saskatchewan are all too common all over the Prairies. There was no finer land in Canada than on the Assiniboine plains around Brandon, or in south-western Manitoba. The black soil in some places was a yard deep. But 40 or 50 years of bad farming can destroy the fertility even of such soil as that. The signs of erosion are to be seen even in the finest fields.

We have done badly enough in the past, and unless something can be done

(Continued on Page 6)

Farm and Ranch Review Editorials

to rouse our producers to action, we will do worse in the future. Irrigation is being extended. Interest in irrigation is mounting. Like a drug, irrigation can be a boon to farmers or it can be a poison. Yet in most of the irrigation propaganda there is little warning of its dangers, of the difficulty of irrigating properly, of the erosion damage that a bungling irrigating job can cause. Water is a superb servant but a cruel master.

All this is pretty trite to the farmers of the Lethbridge, Taber and Brooks districts of Alberta. Yet after 40 years of irrigation experience, mistakes are still being made by some farmers.

If and when the big irrigation projects get going in Saskatchewan a great deal of land will likely be ruined before the farmers acquire the know-how. There isn't enough good land left in this country to do nothing about this prospect but shrug our shoulders. In the past few years, considerable resettlement of farmers has taken place in the West. They have been moved from dried out areas into better districts. It has been the fashion to blame their failure on the soil — "It was land that should never have been broken in the first place"—Perhaps. But how much did sub-marginal farming contribute to making these sub-marginal districts? And what has been done to demonstrate to our displaced farmers the errors of their ways? Will they use their bad farming methods on new land and ruin it too?

Irrigation when it comes, can double the farm population of the West. But whether it will lead to a future good life and prosperity for the West depends largely on the fertility of our soil. After generations of abuse and neglect, it is still fertile. It will not remain so unless there is a drastic change in our whole approach to our land. We have made some headway, but no one who takes a careful look at Western Canada today can have much confidence that we have even begun to fight on the erosion front.

★

The railways kill a goose

THE effect of the recent boost in special livestock freight rates to the Fairs is a shattering blow to the purebred livestock industry of Western Canada. It will drastically reduce the livestock exhibits at all the provincial Fairs immediately. In the long run it cannot help but create great differences in the quality of livestock from area to area.

To show purebred livestock is in itself a losing proposition. The expense of feeding, grooming and transporting stock costs far more than any breeder can hope to win in prize money. But shipment of livestock to inter-provincial shows has worked wonders in a general improvement of breeds all across the prairies. Through the years, a substantial trade in pure bred stock was developed. Many a farmer went to the Fairs with but one

idea in mind, to see and compare the best with what he was producing. On the educational level alone the exhibitions were very much worth while.

All this came about as a result of concessions by the railways in freight rates. An exhibitor who could ship 20,000 pounds of prize cattle in one car paid the standard rate for the first move and then half rate for subsequent moves. But the railways have now cancelled this rate and are demanding full freight all around the Fair circuit. Here, in tabular form, is how the old rate compared with the new, on a shipment of pure-bred cattle from a farm at East Selkirk around the Western Fairs:

	1947	1948	1950
E. Selkirk to Brandon...	\$ 44	\$ 54	\$ 58.32
Brandon to Calgary	48	58	123.12
Calgary to Edmonton	24	30	64.80
Edmonton to Saskatoon	32	40	84.24
Saskatoon to Regina	22	28	58.32
Regina to Selkirk	free	free	75.60
Total freight	\$170	\$210	\$464.40

No industry in Western Canada has more to gain from livestock raising than the railways. It is imperative that the special rates for show stock be restored or the plain truth is that livestock shows as we have known them are a thing of the past.

★

Some gains and some losses

THERE is this to be said about the devaluation of the British pound sterling and the Canadian dollar: It at least brings our money and British money more into line with its actual value in relation to the American dollar. The fiction that the pound was worth four American dollars, and the Canadian dollar one hundred American cents, was maintained too long and certainly fooled no one. One reason for this was the conviction very widely held that those who devalued their currencies would lose just as much on the swings as they gained on the rounds.

Devaluation of the pound will make it easier for Britain to sell goods in the dollar areas. It will result in something like a reduction of 30 per cent in the prices of British goods in the U.S. and a lesser reduction in Canada. But in order to earn the same number of dollars as previously, the volume of goods sold must be increased by 30 per cent. Only time and the market can tell whether that is possible.

As far as Canada is concerned, the joint devaluation of the currencies should increase substantially our imports from Britain. But as it also raises the price of our food exports, in terms of British pounds, the result is bound to be an ultimate curtailment of our food exports. Britain must buy everything she can

from the sterling area. The impelling reasons are two: She can pay for what she buys with sterling and her whole economy is geared to trade with these areas.

For our primary producers, our own devaluation does not mean that we will get more American dollars for anything we export. It does mean that our farmers will receive more Canadian dollars for cattle and other products sold to the United States. And as it is Canadian dollars we are all primarily interested in, that is important.

On the other hand, our producers as consumers will lose much of what they gain in higher prices. The farm machinery we import will go up in price. Any Canadian equipment which has a high American content will also rise in price. In this respect, the devaluation of the dollar is very much akin to a 10 per cent increase in Canadian tariffs.

★

How to hammer a nail

THOUGH they never get the full headline treatment, there are problems besetting mankind far more vexatious than the dollar crisis or the cold war. To wit and for example: How do you go about hammering a nail into a board without bashing your thumb and finger into mince-meat?

The Manitoba Co-operator did a most useful humanitarian service recently by devoting an editorial to this problem. It is something with which every farmer and most farm wives in Western Canada have both intimate and painful knowledge. Mashed thumbs, acquired every time a hammer is handled are undoubtedly one of the most important factors in retarding improvements to western farm homes. The tragedy of it all is that generations of amateur carpenters have gone through life torturing themselves unnecessarily.

How to avoid bashed thumbs? Hold the nail at the other end. It is as simple as that. Most of us who pick up a hammer and nail for the second time have but one thought in mind, to keep our fingers as far as possible from the hammer. So we grab the nail down near the point. When the hammer slips, it catches the thumb with no avenue of escape, the air turns blue, then green and then dark brown. The trick is to grab the nail near the head. Then, when the hammer slips the head will deflect the thumb out of the way or at worst shield it from anything but a glancing blow.

Having done our share of hammering both nail and thumbs, we were astounded at the simplicity of this solution and rushed home forthwith to try it out. It works perfectly—about half the time. It is perfect with two-inch nails and spikes. But when it comes to hammering small finishing nails the Co-operator's solution is a dangerous delusion, as the editor will discover the next time he decides to nail up a calendar, or hang a picture.

Mr. St. Laurent's neat solution of a constitutional puzzle

(FROM THE MONTREAL STAR)

WHEN the framers of the American constitution completed their work they declared their purpose to be, in the opening words of the document, "to form a more perfect union." Mr. St. Laurent's decision to grasp the nettle of constitutional amendment "to facilitate the attainment of the constitutional limits of our nationhood" is a declaration of the same purpose for Canada. The steps proposed in the Speech from the Throne offer a brilliant method of attaining complete nationhood and at the same time safeguarding language and provincial rights which provincial autonomists profess to see threatened.

The method is simple, but it does not seem to have been thought of before. It consists of asking the British Parliament to give the Canadian Parliament the right to amend the constitution of Canada in relation to federal matters, but excluding from this amending right anything connected with education or the use of the English or French language. The provinces would be asked to meet later with Ottawa to work out a method of making other constitutional amendments if and when they are needed.

A favorable provincial response to this plan is already evident, although not all the provinces have spoken. There should, however, be no dissent, for the method meets objections already made. As Mr. St. Laurent made clear in the House in his speech about French language rights, guaranteed rights were in danger. The Dominion Parliament could, if it saw fit, abolish the use of French in Canada. Mr. St. Laurent could see no legal escape from this position, although he was quite sure no Canadian Parliament would try to abolish French. His words then were misinterpreted. He was accused of seeking the abolition of French. Malicious interpretation never quite caught up with the facts. Now the Prime Minister turns the tables neatly. He intends to ask the British Parliament to do what the existing constitution does not do, that is, safeguard the French language by making it something about which the Federal Parliament can do nothing. Provincial control of education will also be protected.

Quebec, indeed all the provinces, should be glad to see this done. Autonomists fears have centred on these two fields, education and language, and both are to be removed from the arena of debate.

It is not generally realized that the provinces have always had the right to amend their own constitutions. It is the first right conferred by section

92 of the B.N.A. Act. The provinces can amend their constitutions in their purely provincial aspects. What Mr. St. Laurent now seeks for the Dominion, as he said in the House, is a similar right, a right to the same jurisdiction over purely federal aspects of the constitution comparable to the right the provinces enjoy over provincial aspects.

There are difficulties to be overcome but they are being faced courageously. It will be necessary, when provinces and Dominion come together, to attempt closer definition of provincial and federal jurisdictions than the constitution now makes. Disputed points now go to the Privy Council, but appeals to the Privy Council are to be abolished and the Supreme Court made the final court of appeal for Canadian cases.

Mere statement of purpose does not resolve all the difficulties in the way of agreement between Dominion and provinces, but the debate that has gone on for years over the constitution and the rights of the provinces and Dominion under it will now be brought to focus. Every opportunity will be given for argument, but it will no longer be a loose and prejudiced discussion of provincial vs. federal claims. It will be discussion about a proposal that on its face offers a simple and workable method of safeguarding existing rights while at the same time ensuring complete sovereignty for Canada. Mr. St. Laurent's administration will take a high place in Canadian history when it brings about the more perfect union envisaged by the legislation now suggested.

Community cattle sales top \$1,250,000

COMMUNITY Auction Sales Association, a co-operative marketing organization of cattlemen started in 1939 has handled approximately 8,000 head of cattle this season for a turnover of \$1,250,000, officials of the association reported.

The producer group now numbers some 1,100 members and is well established as a marketing organization bridging growers and buyers together at central points in the south. Requests for sales are being received from additional points indicating a healthy growth.

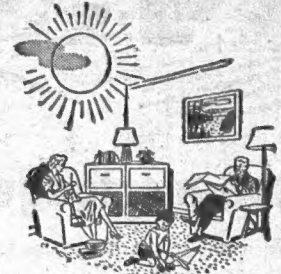
Crops loss in Sask.

APPLICATIONS for freight rebates being received by the field crops branch indicate this year's feed movement into southwestern Saskatchewan will be one of the largest ever carried out in the province, Sask. Agricultural Minister I. C. Nollet said recently.

We're putting silver linings in some of your clouds!



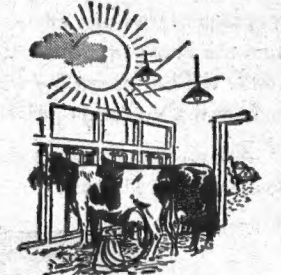
1. Are you forced to live with in-laws because of the housing shortage? Then you'll be glad to learn that things are looking brighter now — because ...



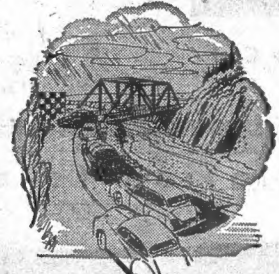
life insurance dollars invested in housing projects to earn money for policyholders, are providing many new homes throughout the nation!



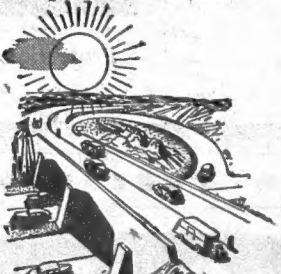
2. Are you a farmer, or farmer's wife, doing hard chores by hand? Electric power may soon save you time and energy with machines, provide convenient light and water because ...



electric power lines are being brought into more rural areas. Invested life insurance dollars are helping to finance many of these labour-saving power developments for farmers.



3. Is there a narrow bridge that chokes traffic and causes accidents in your locality? You may be surprised to find it replaced some day with ...



one of the many wide, safe bridges being built — thanks to life insurance dollars—in places where they're needed. Then watch the traffic flow!



4. Are waters polluted by raw sewage in your community? A new sewage filtration plant will solve this problem. And ...



perhaps your city will soon have one of these disease-reducing plants which life insurance dollars are helping to build.



5. More silver linings will be provided by life insurance dollars, invested in government bonds, which help build new roads, schools, harbours, recreation centres. So you can see that life insurance companies do not keep policyholders' money stored away in vaults! A large part of every premium dollar is invested in sound enterprises that help raise living standards for all!

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Not a care in the world



Mrs. Ethel Kerns of Wimborne, Alta., won \$5 for this informal shot of an afternoon dip in the tub.

Is the public tiring of being gypped at carnivals?

By A. J. DALRYMPLE

AT this time of year when the fall fairs are folding their tents we sit around the paper-littered administration offices and get into arguments as to the values of imported entertainment, plus a few pointed remarks about the midway.

These arguments are classified as hardy annuals. One group says you cannot operate an agricultural fair without the bingo games, the rides and various gyp joints. Another section of the population states emphatically that the Midway draws some of the worst elements of our social structure, and its value is questionable, — in fact very questionable.

So, let us take a brief glimpse at the Pacific National Exhibition, 1949 edition. The PNE was favored with brilliant weather every day, and yet the total attendance was 639,389; a drop of 4,850 as compared with last year when the grounds were rain drenched at times.

Bergen lost money

The Bergen Show from Hollywood brought in at a cost of \$12,000, an added attraction, with an extra charge after you entered the grounds, went into the red. In other words, in spite of the fact that the ventriloquist is an international figure, and there were tens of thousands of visitors in Vancouver, many from the United States, there were not enough interested persons to pay the cost of the importation.

This was also true of the Jimmy Durante show last year.

As to the Midway, operators claimed that they were down 30 per cent on their business. On Children's Day, finding little business in sight, they dropped their prices as an added inducement, but the people were just not paying money for the offerings.

One Midway show, barking about the "smallest Percheron in the world" was closed up because it was offering nothing of value. It is amazing to think that such a show ever got started in view of the fact that across the way in the livestock building there was a record number of horses, with a free horse show practically every hour of the day.

I had an excellent opportunity to study the crowds because I had to walk through the Midway many times a day in my journeyings from one livestock building to another. I found that the record number of entries in cattle, horses, goats, swine, sheep, rabbits, mink, poultry and pigeons, plus the junior events, pulled people away from the sideshows.

Bingo still tops

It was apparent that the strongest attraction on the Midway was Bingo and other games in the gambling division. A number of operators in this section were warned that they were not playing the game with a gullible public; and one or two of the traps were closed.

On the other hand the Shrine circus was a sell-out, but of course it offered good value; and enjoyed the sponsorship of powerful lodgemen making a philanthropic appeal.

The behavior of crowds, their taste in entertainment, and their ideas of where they will spend their money, open wide avenues of thought.

For instance, it might be suggested that there was not so much spending on the Midway this year because there wasn't as much money as there was during the war-plant days. On the other hand, it could be that the public taste is changing. These questions cannot be answered satisfactorily. But it may be said with certainty that

(Continued on page 9)

Looking for a sideline? Well, worm farming is unusual

By DONALD J. MacLEOD

IT'S not often those elongated creatures we call worms get into the news. A lot of curiosity was aroused after the war when the Island of Walcheren in Holland let it be known they wanted 40,000,000 worms. During the war, when the Dutch dykes broke and flooded the farm lands, the salt water killed every worm on the island. To restore the fertility of the soil it was necessary to import worms.

Worms are the friends of fishermen. At Shawnigan, B.C., an old fisherman grows fat, juicy worms by means of his own secret compound of matting and tea leaves which has been really successful in attracting the fish.

At Worthington, Ohio, there is located the Ohio Earthworm Hatchery, which covers two-thirds of an acre. If you're an earthworm farmer one thing is sure — the crop is always good. At the Ohio Earthworm Hatchery they sell 2,000,000 worms a year.

You can raise worms on a commercial basis with a very small investment. Breeding stock sells for 1c each. If you started with 2,500 that would only mean an outlay of \$25.00. They thrive best in an old tom-

ato crate which should be filled with one-third each of manure soil and peat moss. You can put a little garbage in as well for they are scavengers.

There are about 1,600 kinds of worms — flat worms, round worms, tapering end worms, even segmented worms with elongated, jointed bodies. Our garden worms are comparatively short but some Australian worms grow from 10 to 12 feet long.

Why raise worms? There are three good reasons:

1. To have an ample supply for your own fishing.

2. To enrich your soil. One farmer claimed with the help of worms he has been able to raise gigantic carrots and four pound parsnips.

3. To raise and sell them for profit.

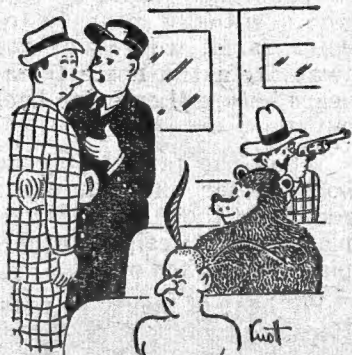
Tradition has it that the farmer's wife keeps the egg money. Here's a chance for the farmer, he can have the worm money.

Rural Power Co-op Formed

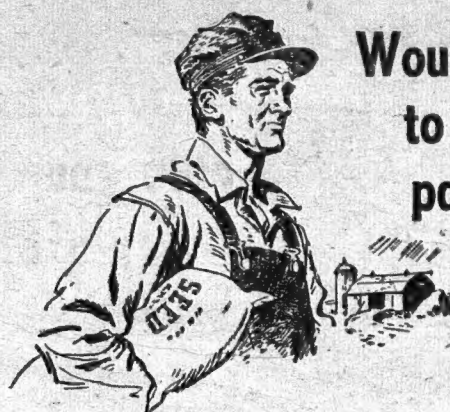
REGINA.—Incorporation of the East Prince Albert Rural Power Co-operative has been announced by Co-operatives Minister L. F. McIntosh. Located between the two branches of the Saskatchewan river east of Prince Albert, the co-op. will service an area of approximately 60 square miles.

Comprised of 50 farmer-members, the new co-operative will purchase power from the Saskatchewan Power Corporation at wholesale rates, to be retailed to its members. Profits realized will be used to maintain the co-operative's facilities.

The rural distribution system will include power lines, run-offs to the various farms and transformer installations for each farmer, and construction is tentatively scheduled to begin in September and be completed in about a month and a half. The power corporation will be responsible for initial construction, while the co-operative will be responsible for new extensions within the co-operative and beyond its present boundaries.



"Oh, we get all kinds of customers on this mountain run."



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to be sure of
passing your
old age in
comfort?

If only you could have a new source of income, to start when you finally give up work, many of your worries would be over. There's a Mutual Life of Canada plan which will provide a new source of income for you when the time comes. Consult our local representative.



Protection at Low Cost

FP-19

(Continued from page 8)

the crowds literally swarmed through the agricultural exhibits. The emphasis was on farming, and apparently the patrons couldn't get enough of it.

It will be interesting to see the trend next year; and watch for the final figures on imported entertainment. For my part, judging by the many comments I heard, the residents of B.C. are showing a tendency to demand that Canadian artists be given top billing on our shows.

Prof. Harry King, department of animal husbandry, University of B.C., and president of the PNE, says: "Imported entertainment and Midway will come up for complete review at board meetings.

Publicity value

"Big-Time names like Bergen obtain publicity and advertising which cannot be calculated in dollars and cents, although we would like to break even.

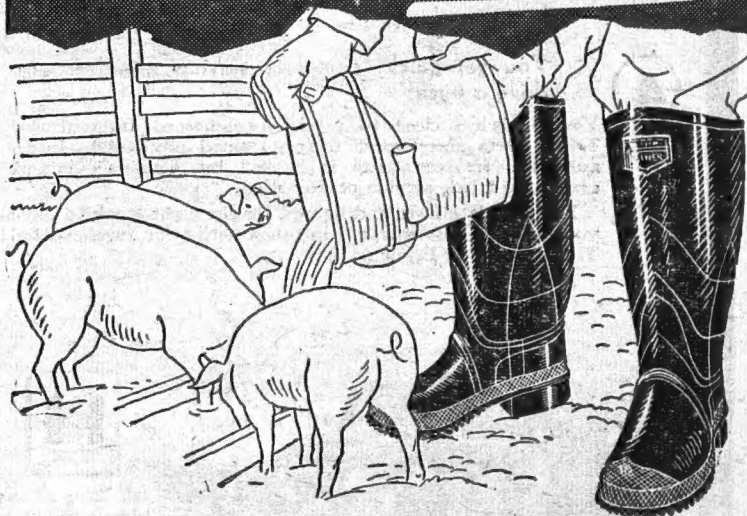
"A certain section of the population wants Midway; and if you are catering to everybody you must cater to them. Our Midway was not the best. We are off the circuit of the better shows. They won't make the long haul to the coast.

"We are going to place more emphasis on our hobby shows and such type of home-grown entertainment; constructive entertainment tied up with education. Maybe we can raise the hobby show to the maximum and reduce the midway to the minimum.

WHERE THE GOING IS ROUGH

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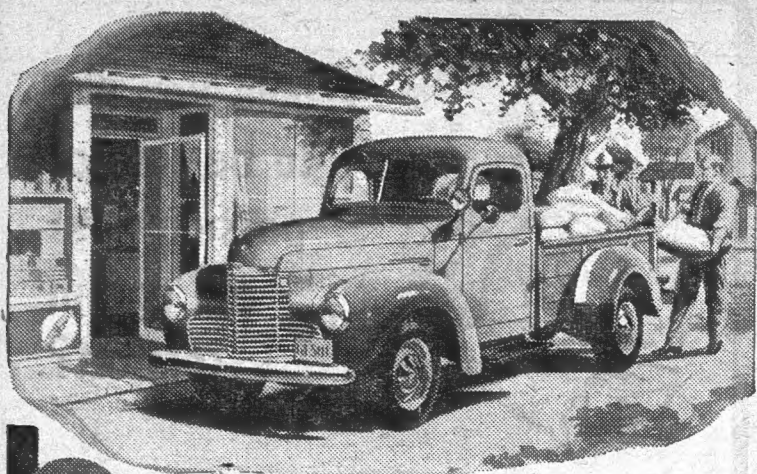
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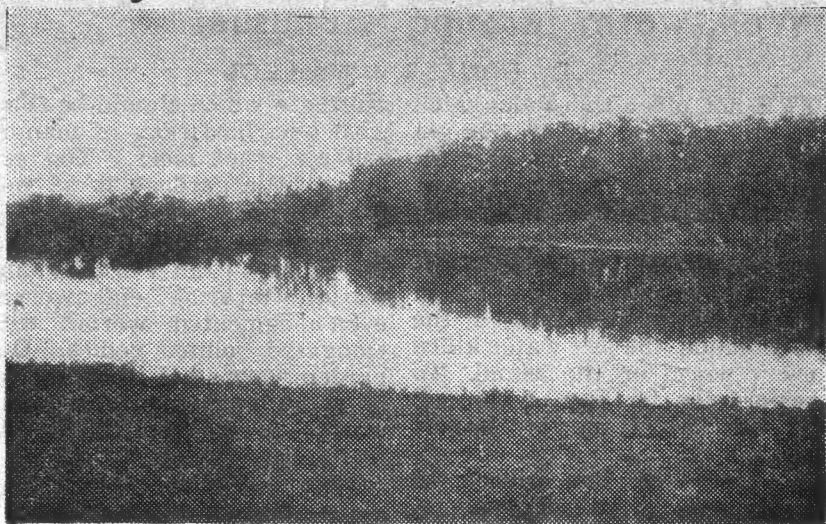
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HAMILTON ONTARIO

Full Dug-out



This picture won \$5 for R. N. Schneider of Climax, Sask.

Why do the boys leave the farm?

HOW many young farmers in your neighborhood are operating the same farm their fathers worked a few years ago? Of these, how many have stayed on that farm—except for time at school or in the services—since boyhood?

Add them up. The total won't be large.

Yet sometimes we act as if it were the usual thing for a boy to grow up on his father's farm, learn how to work it, and take his father's place.

Actually, a lot of things upset this pattern.

Sometimes the farm is a one-man farm. The boy, grown up, can't make a living on it unless the old man gets off. And the "old man," at 40 or 50 years old, isn't ready to step out for a young man of only 20 or 30.

Sometimes the farm is a second-rate rented farm, with the father not doing too well. So the boy looks for a better job in town, or in working for a more skillful or more lucky farm operator.

Sometimes the farm is big enough to support two families. And the boy is urged to stay on the farm. But he leaves anyway.

Among several hundred land-owners surveyed by the corn belt colleges, as reported in the bulletin, "Farm Ownership in the Midwest," over half worked in town for some time before they became owners. Others, who eventually returned to the home farm, worked or rented away from the home farm for years before they came back to buy.

When the farm is big, when both father and son can find room for their energies on the place, why can't father-son plans be worked out?

We hear of plenty of reasons. Here are two:

1. No definite plans for transfer of ownership or control. Too much talk like this: "You stay

with me, John, and I'll see you don't lose by it." That's no substitute for a definite contract.

2. The old man bosses too much, is too resistant to new ideas. That's what the boy thinks. The boy is too brash, wants to try too many "fool new ideas." That's what the old man thinks. The two can't get along.

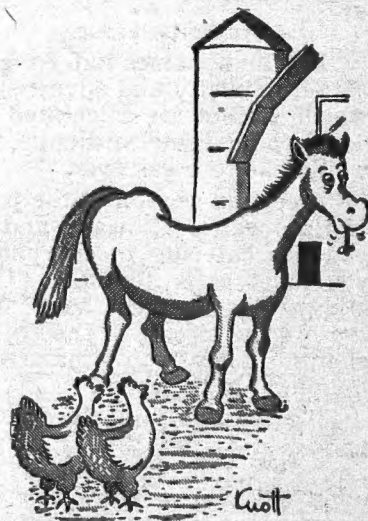
For one reason or another, many boys rent away from home, come back only when the old man is willing to give up control and move to town.

Two generations on the same farm still have trouble living together.

Maybe we need ways to train boys from poor farms for good jobs in town or on farms. Then help later to start some to farming. For boys from good farms, maybe the problem is to show old men and young men how to get along together.

That's quite a job. Adam's boy left home because they couldn't stand the old man bossing them. And Adam's great-great-great-etc. - grandchildren still act in the same way.

—Wallace's Farmer



"I'm afraid Old Mose is slipping —The Boss listed him as a dependent on his income tax return this year."

Canadian poultry men hold successful convention

VANCOUVER: Approximately 300 persons attending the 12th annual convention of Canadian Federation Hatchery Associations, Western Section, and the Canadian Turkey Federation, met in Hotel Vancouver Sept. 12th to 16th, and on the 16th took a tour of plants of the lower mainland.

The meetings drew visitors from all parts of Canada and the Pacific states. From Monday to Friday they had a heavy daily agenda of addresses and panel discussions which ran the scale from public relations, education and trade association values right through to export markets, baby chick prices, and a number of papers on the control of disease.

In between times they held auto and steamship tours, stag parties and teas; and they let B.C. know that they are indeed a rugged organization.

No Price Change

Following a closed meeting of the prices committee, E. E. Sendall, president, Langley Prairie, announced that prices would be substantially the same as last year. He added however that there might be a few minor changes. No figures were given.

A panel set up to discuss relative costs of producing turkeys in various provinces brought spirited discussion. Comparisons are difficult because of the difference in climate, terrain and operational procedure.

Manitoba and Alberta had sets of figures approximately the same; and they were much lower than B.C. Prairie speakers pointed out that confinement rearing such as practiced in B.C. is relatively unknown on the plains. Then too, on the prairie, there is abundant open range, land at \$50 to \$100 per acre; proximity to feed and lower labor costs.

One Alberta delegate pointed out too, that there are modern killing plants in Alberta, Edmonton and Red Deer, whereas there is only one on the lower

mainland of B.C. He added that electrification is moving forward rapidly in the foothills province, and that with poultry ranches obtaining juice, costs of operation will be further reduced.

Figures showed that in Manitoba and Alberta cost of producing turkeys was about 25-26 cents per pound; killing and dressing approximately 12 cents per bird. In B.C., cost was placed at 36 cents; and killing and dressing charges about four cents per pound.

It was pointed out however, that these figures should not be taken as the last word in accuracy. There were differences

of opinion on them. Facts and figures will be tabulated, and a bulletin on results will be forwarded to members when compiled.

John E. Perry, Hayward, Cal., past-president of California Baby Chick Association, told delegates that owing to the agricultural set-up in his state, men with \$15,000 or \$20,000 to invest, would not go into egg production. He stated that for some time in the future California would be an importer of about two-thirds of her hatching eggs, and that if B.C. could supply the desired type, California would be a ready purchaser.

He said that price of hatching eggs is not an important factor; that if the purchaser can get what he wants, he can pass

the higher cost on to his customer; the main thing is desired type and high quality.

A Canadian delegate however, felt that the future of selling to California was not just that rosy. After the meeting, he put the question: "Supposing we develop the type they want, and go after that market, and then they change their minds about what they want? Then we are holding the bag, we have held before upon occasion."

On the other hand, V. Hallman, Calgary, said that Alberta had been forced into the position of producing her own eggs; and that large-scale producers are increasing their plants. He felt that this would mean that there would be a decrease of turkey poult importations from outside points.

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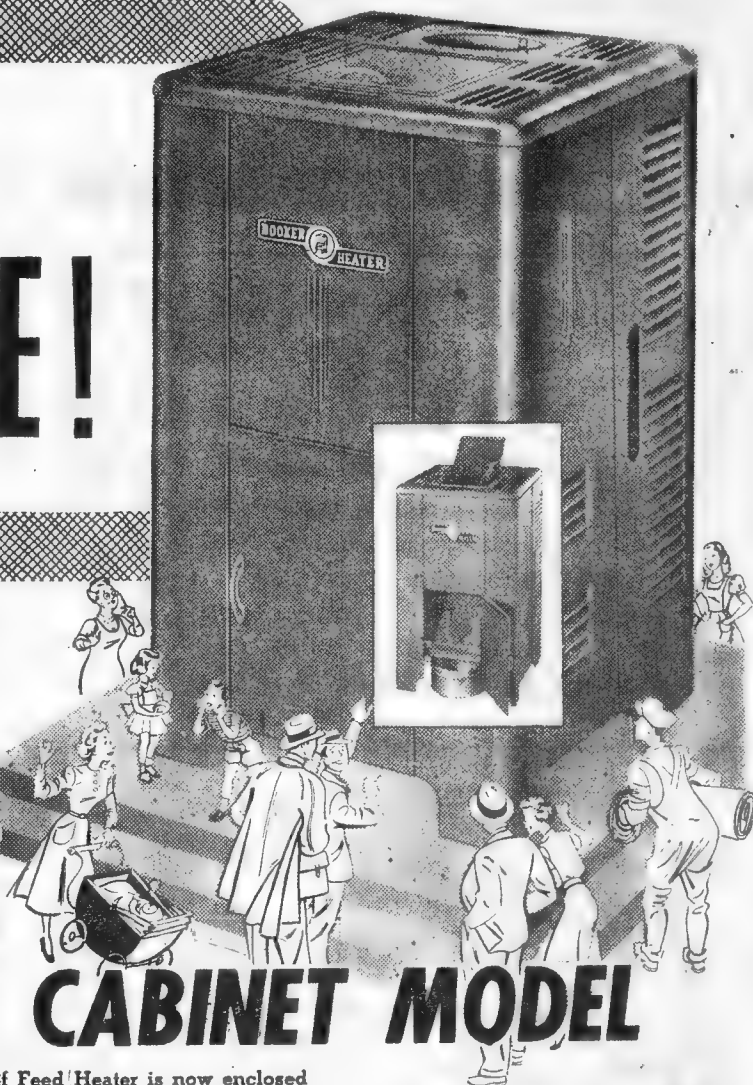
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Remember when?



Going through the files recently we came across this very old picture of sod being broken with oxen. It should rekindle a memory or two for our older readers.

The Farm and Ranch Garden

Potted bulbs will brighten winter days on the prairies

By H. F. HARP

THE first signs of Autumn are seen in the coloring leaves. Light frosts have already blackened Dahlia and Marigold. Chrysanthemums are blooming where frosts have not been too severe. Catalogs of Dutch bulbs are to hand so order supplies early and plan to grow a few pots of Daffodils and Tulips this winter. Their gay colors will help dispel winter's gloom.

Most of the bulbs that are used for growing in pots are imported from Holland — hence — 'Dutch' bulbs. To flower them satisfactory it is at least helpful to understand something of their cultural requirements.

Failure is mostly due to faulty treatment rather than poor quality bulbs.

No time should be lost in getting the bulbs into pots of a suitable size. Ordinary garden soil may be used unless it is of a very heavy texture, in which case mix in a third part each of peat and sand. Fertilizers are not needed as the embryo flowers are already within the bulbs.

Suitable Pots

The full beauty of potted bulbs can best be appreciated when suitable pots or pans are used, each having the right number of bulbs planted in them. The most frequent mistake is to have the pots too large for the number of bulbs used. The following pot-sizes are recommended for the more commonly grown bulbs.

Daffodils and Narcissus

These bulbs vary greatly in size but most Daffodils are best planted in six inch pots. Very large bulbs are best in sevens. Bulbs of the Poetaz Narcissi are smaller and some varieties can be comfortably set in five-inch pots. Each pot should contain as many bulbs as can be

planted without having squeezed them in.

Hyacinths

Top-size bulbs are best in five inch pots. Second size in four inch. Six or seven bulbs in a low pottery container is very effective, especially if flowers and container are harmonious in color. Pale blue hyacinths in a yellow bowl is particularly attractive.

Pot the bulbs only moderately firm. If they are potted too hard there will be a tendency for them to heave out of the soil when roots begin to form.

Tulips are completely covered but Daffodils and Narcissi are better with the neck of the bulbs exposed.

The finished pots are taken to the basement and given a thorough soaking of water. It is most important that the soil be saturated with water at this time. Sheets of paper should be laid over the pots to exclude light. Regular and careful attention to watering must be given from now on.

The drying out of the soil once root formation has begun will have disastrous results. On the other hand a constant state of saturation must be avoided as the results will be equally harmful.

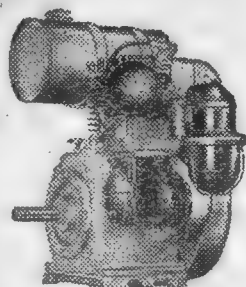
About ten weeks is usually required in the basement for the proper rooting of these bulbs — that is if they have been planted early. Late planted bulbs will require somewhat less basement time.

Watch for Mice

Mice are very fond of the young growths of Tulips and Hyacinths so a means of protecting the pots from these pests must be found.

By the time the top growth is about an inch high the pots should be well filled with roots and the earliest ones may be transferred to a position near the basement window to gradu-

(Continued on page 13)



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144-7

(Continued from page 12)

ally accustom them to more light. Later, — in a week or so they may be taken upstairs to a cool room and placed in a sunny window. More generous supplies of water will be needed as the plant develops its leaves and flowering stems. A daily soaking of the pot in a bowl of water for a period of half an hour or so will be needed when in full bloom.

As the flower stems reach their full height and buds are showing color some support should be given. A few slender willow sticks will do for the Daffodils and Narcissi, placing four stakes in each pot. Use dark colored yarn or raffia to tie them and take care not to have the ties too tight or an undesirable 'bunched' effect will result.

Hyacinths are best supported by thrusting a length of medium thick wire down through the flower spike and penetrating the bulb itself. The base of the stem is then tied to the wire and a further tie is made half way up the flower spike.

After the Daffodils and Narcissi have spent their flowers they had best be thrown away. Occasionally they survive a winter outdoors but are generally considered too tender for prairie gardens. Tulips on the other hand may be ripened off after flowering in pots and set out in the open ground in September. As the plants pass out of bloom the flower stems should be cut off down to the leaves. On no account must any of the foliage be removed. Attention to watering must not be neglected but the supply gradually reduced till the foliage turns yellow then water is withheld entirely. The pots after the foliage has completely died down, may be stored in the cellar till late summer, when they are taken out, cleaned and sorted in sizes. Small bulbs are best lined out in the vegetable garden, and the larger ones can be used to furnish the perennial border, planting them in groups at a depth of about four inches.

Varieties of Dutch bulbs that have been found most satisfactory are listed below:-

Daffodils—(Single trumpet): Golden Harvest, Spring Glory, King Alfred.

Daffodils—(double): Von Si-on.

Narcissus—Actaea, Laurens Koster.

Tulips—(Single early): Prince of Austria, Ibis, Mon Tresor.

Tulips—(Double): Mr. Van der Hoef, Murillo, Emperor Rubrorum.

Hyacinths: Grande Maitre, La Innocence, Gertrude.

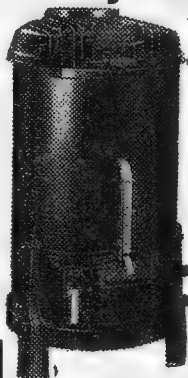
Seasonable Notes

Lawns—Put away mowers after giving them a clean up. A little oil or grease on cylinder and blade will keep them from rusting. Grass will continue to grow for a while longer and the appearance of the lawn will be somewhat ragged but the growth made from now till season's end will be tough and will make good cover for grass roots during winter.

Lawns that are apt to be swept of snow by winter's blast should have a few spruce boughs or corn stalks scattered over them. A lawn dressing of one part each of well rotted barnyard manure, peat (granulated) and sand will give protection over winter and stimulation next spring.

Hybrid tea and other tender roses should have a mound of dry soil placed about them now. The mound of soil should be a foot high. Straw is put on later when mice have found other quarters to spend the winter.

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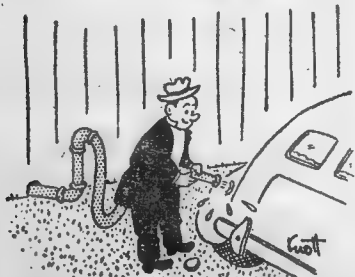
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Australian Sheep Ranch



"Terrific" is the word for Australian sheep ranches

By THOMAS McKERNAN

ONE of Australia's best known sheep stations (ranches), Belaringa, near Nevertire, in Western New South Wales, was sold at auction recently for \$480,000. Belaringa Station has an area of 30,000 acres.

They tell a story in Australia's sheep country of a tramp who was offered a lift by a station owner driving around his property. "No thanks," was the surly reply, "you open your own gates."

If you're driving around one of Australia's big sheep stations, it's a good idea to have a passenger to open and shut the gates. These sheep runs may cover many thousands of acres. They're broken up into manageable blocks that are called "paddocks". Every paddock has at least two gates. That means a lot of opening and shutting.

Of course, Australia's 100,000,000 odd sheep are not all to be found on the large stations of the outback. You will find sheep almost everywhere. In the richer areas, they run on holdings of a few hundred acres. In some districts small mixed farms are the usual thing. In fact on very many Australian farms you'll find some sheep, perhaps only a hundred or two. But for the big numbers, for the heart of the industry, you must go to the huge inland stations that are scattered from Queensland around to Western Australia.

Australian sheep stations lie along the bush tracks away from the small towns that are scattered over the countryside. In size they vary from 10,000 acres to 2,000 square miles. Cattle stations run even bigger. One is 11,000 square miles. Generally they stand well back from the tracks and the station buildings themselves are often many miles from the main road — an isolated cluster of buildings amid the rolling plains.

The typical station homestead

is a low squat affair of one storey — a collection of rooms surrounded by a wide veranda . . . It has a flower garden around it, and beyond, a small orchard, a vegetable plot and cow paddocks. Given liquid fuel, flour, sugar and salt the homestead is largely self-sufficient. There is plenty of butter, milk and cream, choice meat, fresh fruit and vegetables.

Most of the rooms of the homestead open on to the veranda, which is fly-netted, for flies can be troublesome in sheep country. In summer time most of the station's homelife is spent on this long cool veranda.

Hot Weather Houses

The spacious living rooms running through the house assure ventilation in a climate that is hot for most of the year. You'll see at every sheep station homestead large water tanks on stilts that tower over the house . . . And their condition is of first importance for this is, not country where water is readily available.

The kitchen of the homestead is set apart. The house gets hot enough without adding man-made heat. Most station homes have a good deal of comfort these days. They are lighted with electricity and have some form of mechanical refrigeration.

Scattered around are several buildings — a garage, a fowl house, a tightly screened meat house, a blacksmith shop and a few sheds. And then at some distance from the house stands that very important structure — the woolshed where the sheep are shorn and where the wool is baled.

The shearing shed is really the focal point of the station. It is here that the sheep are brought from all parts of the run to lose their heavy fleeces. Normally this shed is a long wooden or stone building, roof-

(Continued on page 15)

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(Continued from page 14)

ed with corrugated iron. At shearing time the sheep are drafted into yards at one end and then moved into the shed to be shorn by shearers using power-driven clippers. The wool is classed and pressed. The shorn animals are forced out through an opening into a small pen, counted, dipped and returned to the grazing paddocks to grow new fleeces. . . The average shearer takes off about 120 fleeces a day.

The quietness of a sheep station is shattered at shearing time. By day the shed has all the bustle of a busy factory. At night the shearers gather round the open fires and the night resounds with their voices as they talk and sing.

On a sheep station two of the greatest expenses are fencing and water conservation schemes. There are hundreds of miles of fencing on a large holding. They cost a lot to put up, and it is a constant — and lonely — job keeping them in repair. Many wealthy station owners in Australia made their first contact with sheep runs on that very job — as jackaroos around station fences.

Water Scarcity

Water is generally a problem. In some parts of the sheep country such as the Western District of Victoria, rainfall is adequate. In the more remote districts the success or failure of the run largely depends on water supply. In northern New South Wales and Queensland bore water is much used. This is useful for stock but contains too much mineral for human consumption. It is run through earth channels from the bores. And dams and huge tanks are built so that when it rains the water can be caught and stored.

Given enough rain to bring up the grass and to fill the dams and tanks the squatter's main worries are over. . . But a lot of rain can be almost as damaging as too little. It can ruin the food that has been cured by the sun, and it can cause destructive floods. . . In some parts as little as five inches a year is all that is needed.

Basically all Australian sheep stations conform to the same pattern whether they be small, grazing a few thousand sheep, or huge like Noondoo Station in Queensland, carrying about 155,000. It is a pattern that has changed little since the early days of settlement in this country, when traditions were established which have made sheep-raising the greatest of Australia's industries.

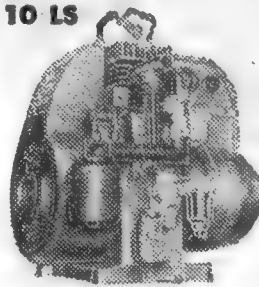
Helping Hands

In Atlanta, unable to tuck in his shirttail because his arm was in a cast, Ralph Adams asked a boy to help him, later discovered that his wallet with \$13 was missing. In Denver, Bus Driver Otis C. Trueblood left his bus to help a blind passenger across the street, returned to find that three other passengers had left with his change container and \$22.

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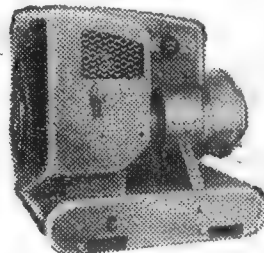
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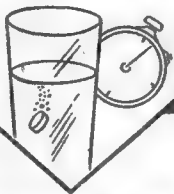


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Carelessness and ignorance cause most welding accidents

By J. W. de Boer

TOO often we read in the newspapers of accidents in which welding is involved and where some person has lost life or limb. An investigation in some of these accidents has proved that in the majority of cases it was caused by ignorance or carelessness.

Many accidents can be traced to wrong handling of acetylene bottles and generators.

Acetylene gas is a very explosive gas. As little as three per cent acetylene gas in the air can be extremely dangerous, so you can see how important it is to a welder to be sure that there are no leaks anywhere in the hose, torch or generator.

It is easy to check for leaks by using soapy water, applied with a small brush to the parts to be tested.

A few simple rules should always be followed when using welding equipment:

Never weld with the bottle lying on its side, acetone may be wasted and interfere with the welding flame. Manufacturers recommend standing the bottle of acetylene on end for at least eight hours before using.

Never draw acetylene gas from a bottle at a rate exceeding $\frac{1}{8}$ of its capacity.

Never drain one cylinder into another and do not open the bottle valve more than one to one and a half turns. This will be ample capacity for your torch. Acetylene hose is colored red and has left hand connections. In order to cut cost, many shops use acetylene generators and nearly every year we hear or read of a generator

explosion — these explosions are also caused, to a great extent, by ignorance and carelessness.

Modern acetylene generators are designed to provide a shop with cheap and safe means of generating gas. Every generator has safety features to make it as safe as possible to use. Always read the instructions on a generator if you are not familiar with it. No generator should be set to generate gas at over 15 lbs. per square inch, because at higher pressure acetylene gas becomes dangerous.

Remember not to fill a generator with carbide unless the water is changed. Only use clean water and do not use any chemicals to prevent freezing of the generator in winter time.

Be sure to refill the filter tank at every charging, and drain and refill filter tank every five charges. If at any time the safety relief valves (pop off valves) are not in working order, have this dangerous condition repaired at once.

Be sure to use the right grade of carbide. Use only what the directions call for and nothing else. Oxygen gas will not burn, but will support combustion. It is a fairly safe gas to use but becomes highly dangerous when oxygen under pressure comes in contact with oil and an explosion will result. That is the reason manufacturers have a "USE NO OIL" sign on all oxygen regulators. Oxygen regulators have a right hand thread and are constructed to stand more pressure than A.C. regulators. The standard color for oxygen hose is green.



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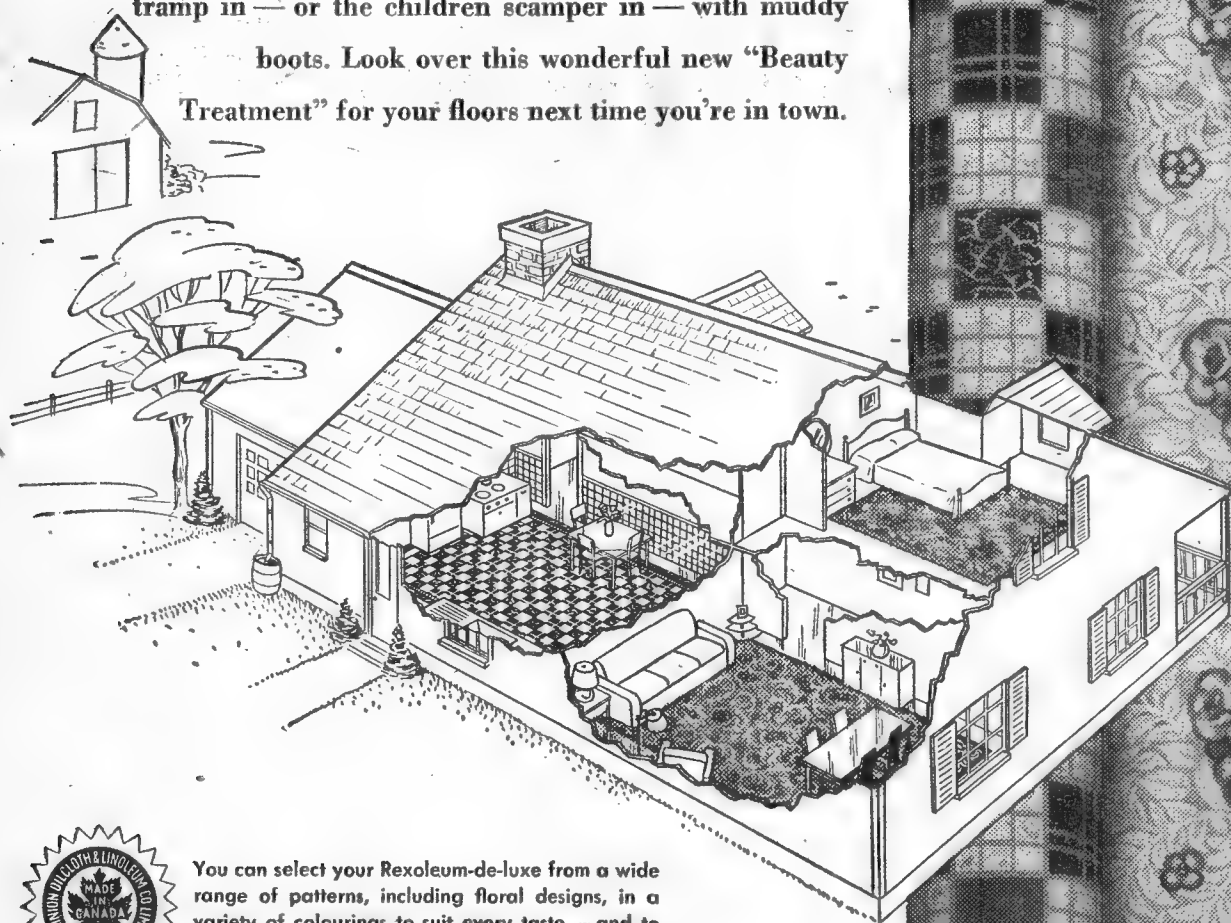
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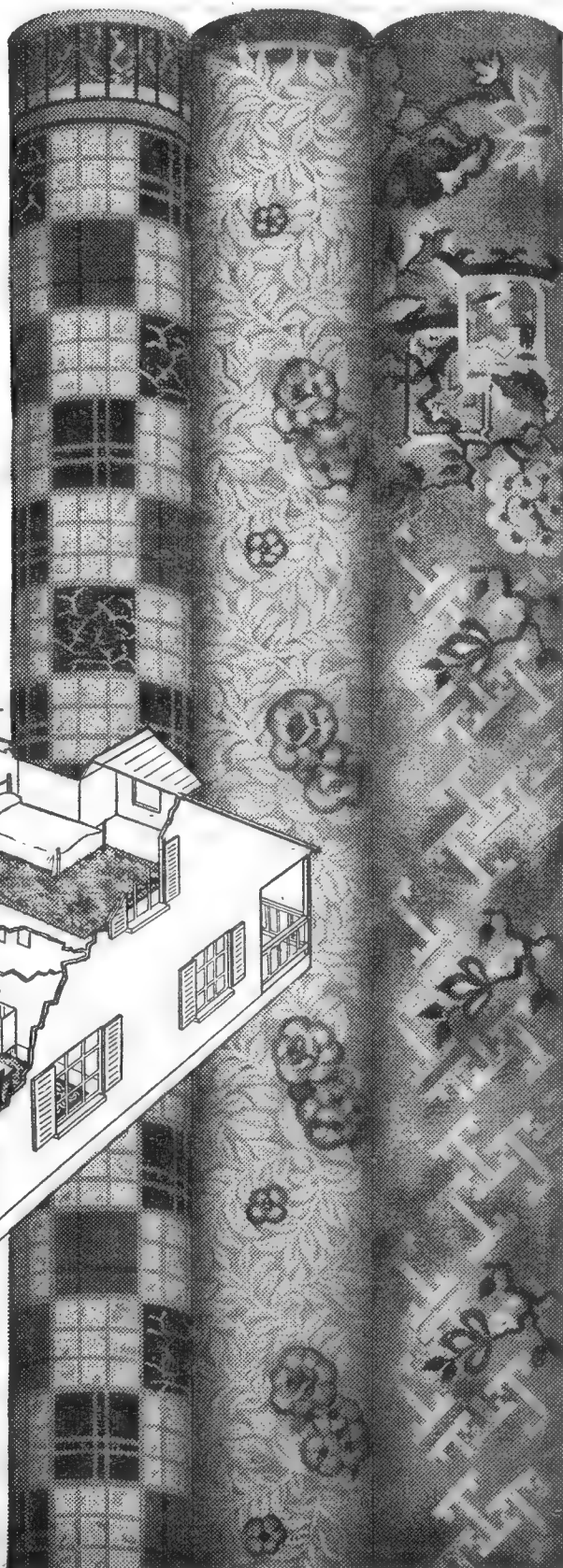
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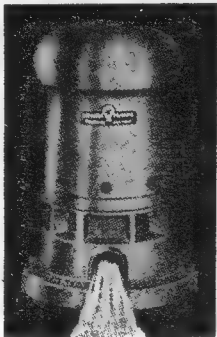


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OCT. 6—Cardston, Alta.	NOV. 2—Pakowki, Alta.
OCT. 7—Pincher Creek, Alta.	NOV. 3—Park Bend, Alta.
OCT. 11—Pakowki, Alta.	NOV. 4—Claresholm, Alta.
OCT. 12—Macleod, Alta.	NOV. 9—Whiskey Gap, Alta.
OCT. 13—Lundbreck, Alta.	NOV. 10—Cardston, Alta.
OCT. 14—Pincher Creek, Alta.	NOV. 14—Macleod, Alta. (Purebred Sale).
OCT. 18—Warner, Alta.	NOV. 16—Nanton, Alta.
OCT. 19—Cardston, Alta.	NOV. 17—High River, Alta.
OCT. 20—Lundbreck, Alta.	NOV. 18—Pincher Creek, Alta.
OCT. 21—Pincher Creek, Alta.	NOV. 24—Claresholm, Alta.
OCT. 26—Park Bend, Alta.	NOV. 25—Cardston, Alta.
OCT. 27—Lundbreck, Alta.	DEC. 2—Pincher Creek, Alta.
OCT. 28—Pincher Creek, Alta.	DEC. 7—Nanton, Alta.
OCT. 29—Pincher Creek, Alta. (Calf Sale).	DEC. 8—High River, Alta.

N.B.—HIGH RIVER sales are held in the Association's yards at AZURE, about four miles south of High River.

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Sales are subject to cancellation or change at the discretion of the Directors, but will be adhered to as closely as weather conditions and other factors permit.

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There is plenty to see on the spit in Autumn

By KERRY WOOD

(Author of Three Mile Bend, Birds and Animals of the Rockies,
A Nature Guide for Farmers.)

THERE is a spit of land stretching a sandy finger out into the blue waters of Gull Lake, in the central part of Alberta north of the bustling little town of Bentley. No doubt there are many duplications of this spit on the lakes of Manitoba, Saskatchewan, and Alberta. The narrow points of land possess a sparse growth of tenacious willows, stunted by wind and storm, while the scanty soil usually supports a raggedy crop of fox-tail, thistle, and sedge. Rock forms the bony skeleton of the sandy finger at Gull Lake, with frequent outcroppings of stone on the surface. Hunters have shifted the larger boulders to vantage spots, using the stones to form screening blinds from which to shoot the waterfowl that often fly over this narrow spit.

It is a goodly place to go on an autumn day. Across the calm waters sound the trumpeting of swans, the gabble and honking of geese, the unctious quacking of fat mallards, the querulous whistlings of sand-

pipers, curlews, and plover. There is always some bird in the air: herring gulls or common tern, a flight of noisy blackbirds, a speeding merganser or fish duck, and one or more of the fifteen varieties of waterfowl that frequent this lake.

One October day I sat on the highest knoll behind the whitened boulders, with glasses trained on a peregrine falcon. This is the lastest flying of all our hawks, an arrowed falcon once trained for that ancient sport of kings. Chinese used these hawks for sport five thousand years before the birth of Christ. But now we hunt with guns and nitro powder, so the sporty peregrine pursues game only to appease its own hunger.

The hawk came into view within the twin circles of the binocular's range, followed for upwards of half a mile until it was nearly over the spit. Then a yellow-legs left the shore sands and flew out across the waters with a loud screech of alarm. Instantly the hawk swooped, wings narrowed against its trim body. I could hear the whistling rush of air, so great the hawk's speed as it flashed over the spit.

It was all over in a second. The hawk's clenched talons struck the head or neck of the Yellowlegs a terrific blow that killed instantly, then the falcon made a fast U-turn and picked up the lifeless body of its victim from the lake surface and flew shorewards to a high tree to enjoy its meal.

The Comics

The comical coots sometimes come to the spit, black rafts of them swimming across the waters to the shallows near the broader base of the peninsula. They chirp and peep and feed like barnyard hens, taking time out to stage amusing exhibitions of preening and primping. Now and then a quarrel occurs, two birds thrusting out their yellow beaks in angry fencing, but these fights are brief and never seem to cause harm.

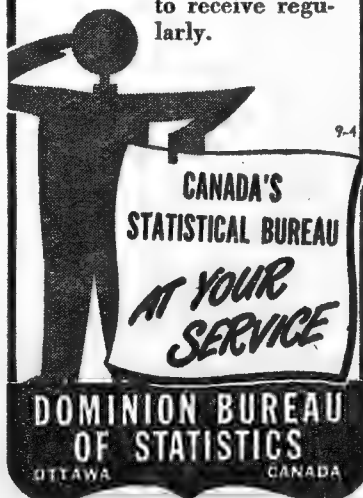
There is a strong social spirit among the coots, and one bird's warning alerts the entire flock. If the danger is an approaching man or dog, they go careening across the water to safer retreats. But if a hawk flies over, then the coots bunch tightly together, warily watching the predator. If the hawk hovers over them and seems interested in selecting a victim, the coots suddenly thresh their wings as they dive, sending up a splashing spray that disconcerts the attacker. Coots use these tactics to foil the attentions of eagles

(Continued on page 19)

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(Continued from page 18)

and any other hungry members of the raptorial clan.

Laughing Loons

The haunting laughter of loons is often heard there. In the morning and evening you'll see these large northern divers flying over, usually two or three hundred feet above the water. Their wings beat rather quickly, and seem small and inadequate for such large birds. And it's true that loons do have a hard time, launching aloft. They require a take-off run of at least one hundred yards, using webs as well as wings to aid them in their starting race. But once aloft, they are strong fliers and fast. Gull Lake has suckers, young ling, and pike to interest the fish-eating loons, so they like to stop there during migration flights.

Sometimes a flock of sandhill cranes will fly over, uttering their "purr-oo, purr-oo!" cries as they warily scout the shore line for enemies before alighting. A lone blue heron, so often erroneously called the "wild stork", flies sedately along the shoreline, seeking a frog marsh. Plovers come in flocks of fifty and more, swooping down to stop on the sandy spit where they run busily through the shallows to seek the minute organisms that keep them fat. And the large white pelicans, majestically graceful on the wing but so grotesque and clumsy when on land, come coasting down to the spit at rare intervals to provide another thrill.

Hunters go there for the duck shooting. Over the spit fly flocks of lesser scaup, golden-eyes, teal and baldpates. The flight starts at dawn and lasts an hour while the diving ducks indulge themselves in their cleansing flights. Soon they get wise to the gunners' position on the spit and make a swift detour around it, staying well out from the point and nicely beyond gun-range. But there is always a flock that takes a chance, speeding along at water level and then making a sudden arc as it crosses over the land. That's when the guns boom and echo across the waters; that's when the excited dogs charge out to retrieve a downed duck. Not many birds are bagged, because of the swift angle of their flight as they flash over the spit.

Men, Too

You'll meet a great variety of men there. Prosperous farmers from the famous Blindman Valley to the south, store-keepers and tradesmen from nearby towns, with spaniels, Labradors, and rat-tail retrievers eager at their heels. Between shooting periods there is good fellowship on the spit, the hunters sharing sandwiches and coffee. One will tell of sighting a migrating raven; another will speak of Snow Geese; sometimes a coyote comes foraging out onto the spit and gets chased by a hunter's dog, or a furtive mink darts along the shore and startles a man by popping into a blind. It isn't all shooting and kill — many a man goes there just to watch the passing parade of autumn, to feast his eyes on the blue skies and waters, to revel in the scarlets and yellows, greens and browns of the tree-clad hills on near and far shores. It's a beautiful place to visit, every fall.

Curb Service

In Pompano, Fla., Samuel Bachinger, visiting an insurance broker to pay his automobile insurance premium, glanced out the window, saw a sign blow off the company's building and smack his Oldsmobile, promptly filed a claim.



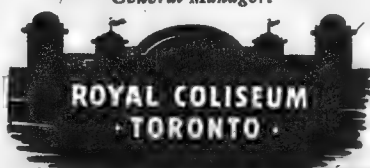
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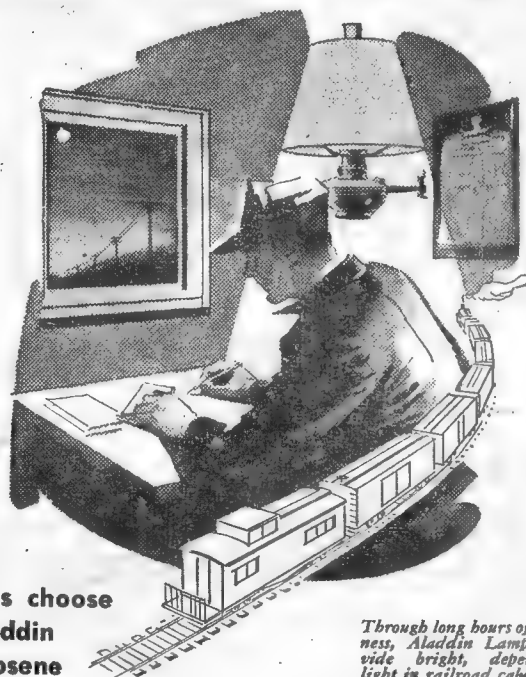
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AN article entitled "Our Survival Demands a Prepared Pasture Program," by G. R. Bickerton, appeared in the July, 1949, issue of the FARM AND RANCH REVIEW. The article points out that development of pastures is required to maintain and increase the livestock population of the prairies, and to maintain and increase the fertility of our cultivated land.

Mr. Bickerton is to be congratulated for presenting the

Progress is being made by re-grassing prairie pastures

By J. B. CAMPBELL,

Dominion Experimental Station, Swift Current, Sask.

matter of pasture improvement. It is a timely subject. Our native pastures are carrying livestock populations close to maximum capacities, and undoubtedly overgrazing will result if the load is increased. However, the fact that considerable portions of the native pastures are as productive as they were 75 years ago, is a tribute to the stockmen and the

careful pasture management practices they have evolved.

It is not the intention of this article to answer Mr. Bickerton's question. Rather it is the purpose to present recent experiment information about grassland farming, and to outline the pasture improvement policy for Community Pastures being developed under the Prairie Farm Rehabilitation Act.

Grassland Farming

There are nearly 45,000,000 acres of native grass and bush pastures in the prairie provinces. This area contains a number of vegetational types. That with the lowest carrying capacity has been named the short-grass prairie, which occurs in Southern Alberta and Saskatchewan and is characterized by the dominance of blue grama grass. It will have a natural carrying capacity of from 20 to 50 acres per cow per seven month grazing season.

One of the most productive grass regions is the Foothills area in Alberta. Its cover is dominated by rough fescue and Parry's oatgrass. Its carrying capacity varies from less than 6 to over 20 acres per cow per seven month season.

Average carrying capacities of other vegetational types vary between those of the short-grass prairie and the Foothills. In all cases, the capacity is determined by the forage species present, which are an expression of the soil and climate.

Carrying capacity is not just a matter of acres, but rather the rate of grazing which will produce at least 325 pounds of beef on a two-year-old steer each summer and still maintain the grass cover in a productive condition. The few carrying capacities mentioned are based on the foregoing definition, and are not reduced rates that have resulted from overgrazing.

Although no surveys have been conducted recently to determine the condition of the native grasslands, a report published this spring by the Government of Saskatchewan contains information about this point. The report, entitled "Land Use Study," deals with land use around Swift Current.

Detailed information is given for six municipalities. It shows that only 3 per cent of nearly 500,000 acres of grassland are in a depleted condition. Some 28 per cent are being overutilized, but are by no means eaten out. About 50 per cent are being pastured at near their natural carrying capacity, while 20 per cent are under-grazed in varying degrees. The latter condition is associated with reserves of feed for winter grazing, as well as the lag of adjustment when sub-marginal wheatlands are being developed into Community Pastures.

The report points out that depleted pastures are associated with dense farm populations and on the most productive soils,

(Continued on page 21)

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(Continued from page 20)

while the best managed are those controlled by ranchers and on Community Pastures directed by the P.F.R.A.

In the same report the ownership of land is indicated for 16 municipalities around Swift Current, where there are nearly 1,257,000 acres of native grassland. Ranches occupy some 32 per cent, while farm pastures on deeded land account for 54 per cent of the acreage.

Of the balance, about 8 per cent consist of Crown land either vacant or in process of alienation, while only 6 per cent are contained in Community Pastures.

Thus, although Community Pastures add to the grazing resources, the pasturage which they provide does not determine the magnitude of the livestock population. On the basis of acres grazed, it is the deeded farm pastures which determine largely the numbers of livestock in the prairie provinces.

Native Grasses

Rotations tested on native grass pastures have not increased carrying capacity. Moderate continuous grazing has produced more beef and more contented cows than rotations which involved excessive handling of livestock. When more than one vegetational type is involved, with different seasons of rapid growth and different growth habits, then rotations will make more efficient use of the grass.

Carrying capacity can be increased by regrassing native range land. But even higher carrying capacities can be achieved if reseeding is designed to strengthen pasture weaknesses. Three important problems affecting good pasture management are presented:

1. We lack spring grazing. Our native grass pastures are seldom ready to graze until late May, and on certain types not until mid-June. Heavy utilization prior to pasture readiness causes reduced yields and initiates overgrazing.
2. Our pastures are deficient in protein and phosphorus by mid-August. Other nutrients are sufficient throughout the summer, and until mid-winter when curing precedes frost.
3. Greater grazing reserves are required to provide for dry seasons, and to lengthen the grazing season. Reserves can be maintained because the most abundant native grasses cure on the stem, thus providing palatable and nutritious forage after growth ceases. The phenomena of curing makes it possible for grazing livestock to make fair to good gains for a much longer period

than during the short growing season.

These are the important problems, and regrassing needs to be designed to meet them. Since the introduction of crested wheatgrass the problem of developing spring pasturage is less acute. Recent experimental evidence indicates that, when one acre of crested wheatgrass is grazed in a rotation with 3 acres of native sod, the carrying capacity is double that of 4 acres of continuously grazed native pasture, providing the crested wheatgrass is grazed till about mid-June and the native pasture from then until the end of the season. Both the crested wheatgrass and the protected native pasture contribute to this increased yield.

It pays to add protein supplements to summer pasture wherever rates of gain decrease by mid-August. Oilcake is a recommended supplement, and instructions regarding its feeding can be secured from the Range Experiment Station, Manyberries. Also there is an alfalfa breeding program underway to develop creeping-rooted drought-tolerant alfalfas that can be grazed during the summer time. Progress is being achieved on this program at the Dominion Experimental Station, Swift Current.

P.F.R.A. Pastures

There are 75 P.F.R.A. Community Pastures in Saskatchewan and Manitoba, containing 1,412,860 acres. These have been developed largely on lands formerly alienated, but where experience had indicated sub-marginal characteristics.

Today their combined carrying capacity is over twice that which it was when the pastures were established. Some 150,000 acres have been regrassed, stock-watering sites have been developed, spring protection has been afforded the native grassland. Forage reserves have been maintained, and careful pasture management practices have been instituted.

The present policy of P.F.R.A. Community Pasture improvement is to develop all arable lands. Crested wheatgrass, for spring grazing is to be seeded until at least one-quarter of each pasture is regrassed. Reseeding of summer fields with brome and other grasses and legumes is progressing. Reserve pasture areas are being enlarged so that supplies of grass and hay will be available when drought reduces the productivity of adjoining farm pastures and hay fields.

The policy as outlined is being implemented. It is an objective policy that makes pastures, because it provides cultivated forages to complement and supplement the native grasslands. It is a policy which will produce beef and other livestock products. It is a policy to secure better use of land through grassland development and soil conservation practices.

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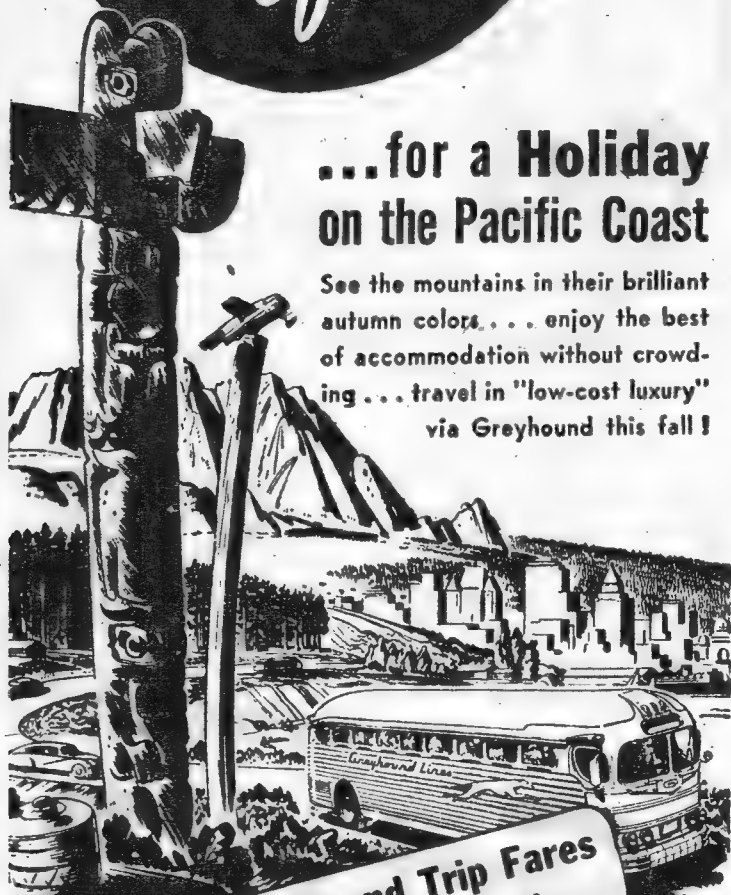
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WESTERN CANADIAN GREYHOUND
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Sask. Pool pays off last of huge Gov't debt

REGINA.—Final payment by the Saskatchewan Wheat Pool in settlement of its indebtedness to the Government of Saskatchewan, as a result of the losses sustained in the market crash of 1929-30, was made on Sept. 23.

A cheque for \$465,169.77 was presented to Hon. C. M. Fines in his office at the Legislative building by J. H. Wesson and G. W. Robertson, President and Secretary of the Saskatchewan Wheat Pool. The cheque represented the final payment of the indebtedness of approximately \$22,000,000 of principal and interest which the Pool undertook to repay the Government following an agreement entered into between the Government and the Pool, which was signed in March, 1933.

Coincidentally with receipt of the final payment Mr. Fines announced the cancellation of \$11,721,000 worth of the special bond issue, held in the Sinking Fund. The balance of the issue will be redeemed on due date, — October 1, 1951.

The indebtedness was incurred by the Pool back in 1929-30 following the stock market crash when the bottom fell out of the wheat market. At that time the Wheat Pool was operating a contract Pool and was paying an initial price to the growers when they delivered their grain to the Pool. The final price received for the wheat delivered to the Pool un-

der contract was something in excess of \$13,000,000 less than the amount paid out in initial payments to the growers. In 1932, an agreement was negotiated whereby the Provincial Government undertook to satisfy the claims of the lending banks by the issuance of a twenty year Provincial bond issue, the cost of the bond issue to be assessed against the Pool and payments amortized over the twenty year period. The bond issue was to mature October 1, 1951, on which date the final payment to the Government was to be made.

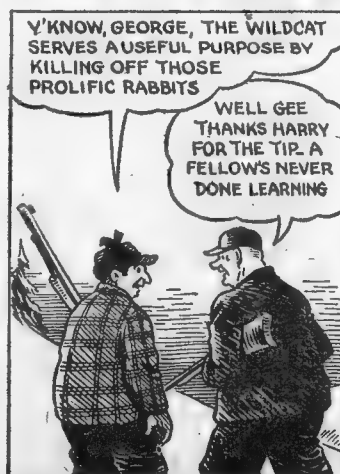
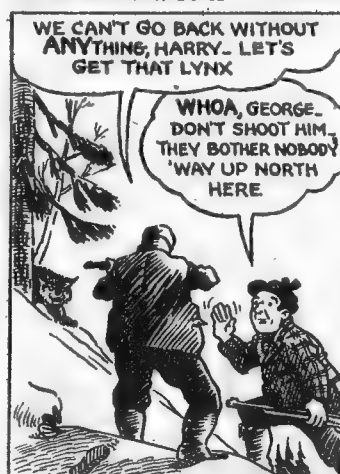
During the life of the agreement the Saskatchewan Wheat Pool has not only met its obligations on due date, but has paid off the entire principal indebtedness two years in advance.

Farmers, ranchers get fire warning

A warning to farmers and ranchers against the menace of stubble and grass fires, as a result of the continued dry weather and prevailing high winds, was voiced by C. Graham Anderson, district agriculturist at Calgary.

Mr. Anderson said that farmers and ranchers should do everything possible to protect granaries, wind feed and hay stacks from fire and he also warned motorists, fishermen and hunters to be careful when handling matches or camp fires in the rural areas.

CARLING'S CONSERVATION CORNER



NEW MIRRORS Made to Order, Any Size or Shape
THE BENNETT GLASS CO. LTD.

Potatoes useful livestock feed

WHILE potatoes normally are not grown as livestock feed, each year there is a considerable tonnage of small and off-grade (and occasionally surplus) potatoes that can be disposed of profitably through livestock. However, if good results are to be obtained care must be exercised in feeding them. Potatoes stored under favourable conditions can be fed raw to cattle and sheep but should be sliced or pulverized before feeding to avoid any damage of choking. For pigs the potatoes should be cooked. If the potatoes have sprouted, the sprouts should be knocked off before feeding as they are often poisonous to livestock. Sunburned, frozen, or decayed potatoes should not be fed to any livestock.

Potatoes are about 80 per cent. moisture, and low in protein and essential minerals. Frank Whiting of the Dominion Experimental Station, Lethbridge, Alta., reports they should be fed in conjunction with high quality feeds like legume hay and grain or protein mineral supplements added to the ration. Fattening cattle or milking cows should not be fed more than 30 pounds per head daily while lambs and breeding ewes should not be fed more than two to three pounds per head daily. Pigs may be fed up to six pounds per head daily depending upon the size of the pig. If more than these quantities are fed, severe scouring may result.

Experiments were carried out at the Dominion Experimental Station, Lethbridge, during the past winter to determine the comparative feeding value of potatoes when fed to milking cows and to fattening lambs. Groups of lambs and milking cows that were fed potatoes in conjunction with alfalfa hay and grain were compared to similar groups of lambs and milking cows that received only alfalfa hay and grain. The cows were fed 30 pounds of potatoes per head daily while the lambs received one or two pounds per head daily. The results of these experiments showed that between four to five pounds of potatoes were equivalent to one pound of grain. Some off-flavours were detected in the milk from the cows fed potatoes, even though the potatoes were fed after milking. Apart from this the potatoes proved to be a satisfactory feed.

Gourmets

In Troy, N.Y., three recaptured prisoners explained why they had escaped from Cheshire County (N.H.) jail: "Fried potatoes, day after day, meal after meal." Near Orillia, Ont., Walter Richmond told police that when he remarked to Restaurant Owner Harry Shore that the hamburger was cold, Shore shot him in the ankle with a .32 revolver.

Farm Service Facts

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The convenience of oil for heating purposes makes it a popular fuel. Easily stored and easily handled, oil in modern heaters delivers clean, odorless, steady and easily regulated heat with a minimum of operator attention and at reasonable cost. In addition to being highly efficient, the modern heater is an asset to the home as a compact, attractive piece of furniture, many being similar in size and appearance to a radio cabinet.

When planning to install an oil-burning heater, it pays to consult two sources of important information. One is the authority having jurisdiction from whom local regulations governing installations can be obtained. The other is a dealer to advise on the size and type of heater for satisfactory heating service under your conditions. These precautions will pay off in safe and economical heating.

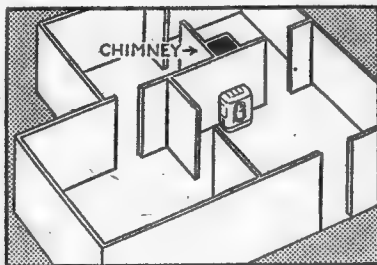
FUEL

OIL

SUPPLY ASSURED



PLACE HEATER NEAR CENTRE OF SPACE TO BE HEATED



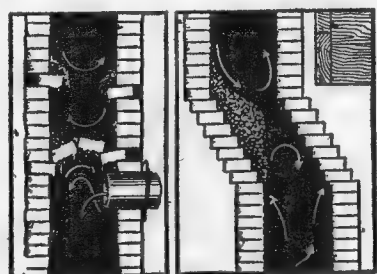
You will save fuel and get better distribution of heat if your space heater is located as nearly as possible in the centre of the space to be heated, and within eight feet of the chimney.

If the heater is placed near the centre of the space to be heated, warm air circulation will be better than otherwise with a saving of fuel. Ordinarily, this will be in the area in which the occupants spend most of their time.

Care to place the heater not too distant from the chimney, less than eight feet, will result in greater burner efficiency, and the fewer the elbows used the freer will be the draft. It is better to sacrifice locating the heater in the centre of the space to be heated than to have too long a lateral vent pipe. The back and the sides should be at least three feet from wall or corner.

A room with a cold drafty floor requires much more heat than one where the floor is warm. If the house is well insulated, you will get better distribution of heat, with considerable saving of fuel.

HOW TO GET PROPER DRAFT FOR HEATER EFFICIENCY



Fallen bricks, accumulation of soot, projection of vent pipes too far into the chimney or any other obstructions will tend to reduce chimney draft, causing loss of fuel and possible burner troubles.

The most important factor in successful operation of your space heater is the chimney. The correct

amount of air must be mixed with the proper amount of fuel for complete combustion. The supply of air for the burner is obtained from the draft of the chimney.

To ensure good draft, there should be no obstructions such as bricks blown off the top of the chimney and lodged crossways in the chimney, and no mortar loose between bricks forming cracks and allowing air to enter the chimney. Inside walls should be free of soot with special attention to bends in the chimney and vent pipe to be sure that soot has not collected at those points. Draft will be impaired also if the chimney cleanout door is not closed and tight and if the vent pipe is put into the chimney much beyond the chimney wall.

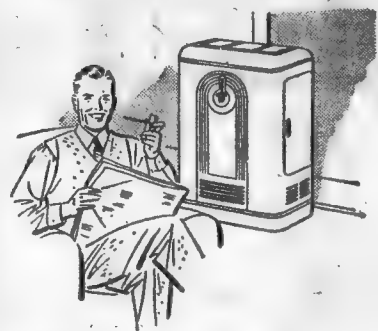
Occasionally chimneys will be found to have downdrafts. This happens when the top of the chimney is lower than the gable of the house or nearby buildings, or when tall trees are close by. The fault may be corrected by extending the chimney 24 inches above the highest point of the house or by placing a vacuum cap on top of the chimney.



Chimneys should extend two feet above the gable, and not be too close to high trees, if down drafts are to be avoided.

USE OF DRAFT DAMPER

Control of draft is by means of the draft damper supplied with the heater and installed in the vent pipe. This is set in the same way as the burner, high, medium and low, so when the burner is high, set the draft high, and when the burner is low, set the draft low. Some trouble may be caused in spring and fall by the burner carboning up. This is the season when heaters are burned mostly in low position, and the trouble is caused by insufficient draft. It can be overcome by setting the vent pipe draft in the medium position with the burner on the low position.



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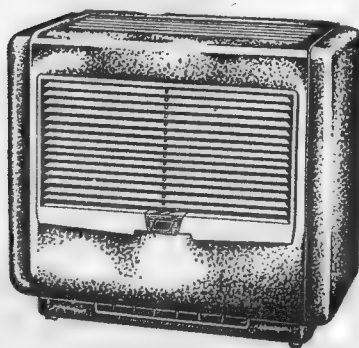
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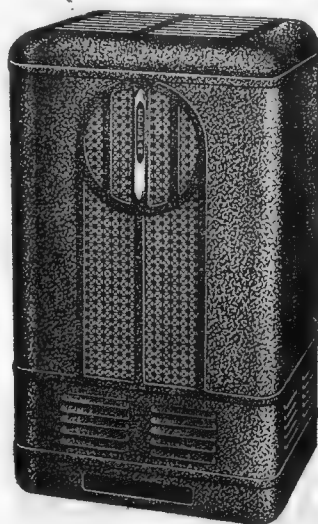
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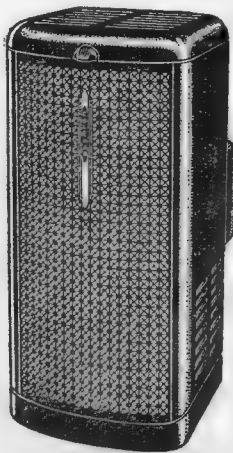
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The spirit of co-operation is continuing to flourish

By BEN MALKIN

IT did not take long for the Washington conference of American, British and Canadian leaders on the dollar crisis to bear fruit. Within a week of the close of the meeting, Washington announced that it would allow Britain to use \$175,000,000 in Marshall-aid funds this year to buy Canadian wheat. This should pay for almost half the 140,000,000 bushels Britain contracted to buy this year at \$2 a bushel. At the same time, immediately after the conference, the U.S. Senate renewed the Reciprocal Trade Agreements Act, which gives the President the authority to cut tariffs. It is largely under this act that American tariffs have been reduced from the Smoot-Hawley level of 1930 to the present 1914 level. There is now some hope that they will be further reduced.

Britain's economic crisis has been building up for more than 40 years. During that period, the country has been buying more than it has sold, and has, in addition, been liquidating many of the investments that used to provide it with much of its income. The last war accelerated the process. Now it has reached the stage where its reserves of American dollars and gold are little more than \$1,000,000,000, a figure so low that Britain a few weeks ago, and the whole sterling area with it, stood in danger of being unable to pay for American goods. When the crisis broke, it announced that it would immediately have to restrict imports from the United States, and a conference with Canadian and American government officials was arranged in Washington.

Out of the conference, these points clearly emerged:

The United States, being the world's largest creditor and producer of industrial goods, must begin to act like a creditor. Tariffs would have to be cut. Customs regulations, as serious a barrier to trade as tariffs, would have to be simplified. This point applied to Canada as well, and there are indications that Ottawa will now act to streamline the country's customs set up. The United States will have to try to invest more money abroad, as Britain did in the 19th century, when it was a major creditor country. This will make a large supply of U.S. dollars available to the rest of the world. Finally, the United States should recognize that Britain may be shouldering an unfair burden of war. Britain owes, in sterling, the equivalent of about \$12,000,000,000 to India and \$5,000,000,000 to Egypt as a result of the war. The United Kingdom is trying to pay this debt in goods, which makes less British goods available for export to the dollar

area. This point, raised by D. C. Abbott, Canada's finance minister, is one of the most important to emerge from the conference.

The meeting cleared the air, then, and resulted in immediate action by the United States with respect to the \$175,000,000 ERP allotment for Canadian wheat and the renewal of the Reciprocal Trade Agreements Act. It showed public and officials alike in the United States, Britain and Canada how close the sterling area was to bankruptcy in terms of American dollars. If the sterling area did go bankrupt, and as a result was unable to import American raw materials and industrial goods, unemployment and even destitution would follow, not only in the sterling area, but in the United States; for there is no other great outlet for American goods except the sterling area and Canada. The political consequences would be incalculable.

While the western nations were thus finding ground for co-operation, and a new and better orientation of their economies, the Communist countries of eastern Europe were fighting among themselves. Where there was unity and a genuine friendliness in the West, there was hatred and disunity in the East. Yugoslavia was insulting Russia, and the Soviet Union was threatening Yugoslavia. In Hungary, some of the highest officials were being tried for treason. For a political doctrine that claims to be ushering in the brotherhood of man, Communism was acting in a very odd manner indeed, certainly in contrast to the demonstrations of fraternity among the western nations.

And while Britain, Canada and the United States were finding common ground in Washington, and the Communists were fighting among themselves in eastern Europe, 12 European nations, from Britain to Turkey, were meeting in Strasbourg to attempt to form a parliament of Europe. The atmosphere at the Council of Europe was friendly, and out of this first meeting should come, within the next year or two, a common European passport and a declaration of human rights which would apply to the member nations — Britain, France, Italy, Belgium, The Netherlands, Luxembourg, Sweden, Norway, Denmark, Turkey, Greece, and the Republic of Ireland. If a United States of Europe can be formed from these countries, and the pressure to do so is strong among them — a new national entity comprising more than 200,000,000 people, and sprawling across Europe, will be created. It would change the whole course of history within a generation.

CANADA PRODUCES SOME OF THE WORLD'S FINEST APPLES



When choosing apples for eating or cooking, you look for fine flavour and firm texture—qualities for which Canadian apples are famous. Canada's invigorating climate and fertile soil produce many varieties of apples for the world's enjoyment.

Why Seagram's sells Canada first

This is an adaptation of one of a series of advertisements designed by The House of Seagram to promote the prestige of Canada and help sell Canadian products to the markets of the world.

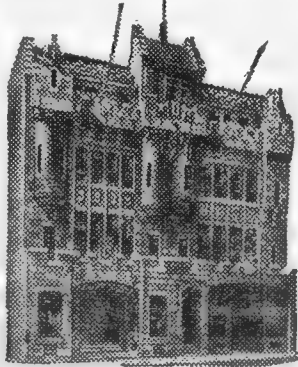
The campaign is appearing in magazines and newspapers published in various languages and circulated throughout the world. The peoples of many lands are told about the quality of Canadian products and see Canadian scenes illustrating these products.

The advertisements are in keeping with the belief of The House of Seagram that the future of each business enterprise in Canada is inextricably bound up in the future

of Canada itself; and that it is in the interest of every Canadian manufacturer to help the sale of *all* Canadian products in foreign markets.

♦ ♦ ♦

A campaign such as this not only helps Canadian industries but also puts money in the pocket of every Canadian citizen. One dollar of every three we earn comes to us as a result of foreign trade. The more we can sell abroad the more prosperous we will be at home. It is with this objective that these advertisements are being produced and published throughout the world.



The House of Seagram

If your goal is Security...



There's one way to protect such a goal—and that's by saving. Canada Savings Bonds make saving easy.

Set yourself an amount that you think you ought to save this year—then commit yourself to this program by putting in your order for Canada Savings Bonds.

You can buy them through your bank or investment dealer for cash or in deferred instalments. The money you save this way is as safe as Canada, and you'll be surprised how soon it will mount up. Canada Savings Bonds can be cashed at any time at any bank for full face value plus interest.

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Canada Savings Bonds 4th Series



ON SALE BEGINNING OCT 17th

Everyone
has
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to
Save for

CSB 13 w

Tree fruits in Southern Alberta

FOR many years the Experimental Station at Lethbridge has been conducting variety tests with tree fruits and small fruits. The results of this work are rather encouraging in many respects.

Through the years the tree fruits have been narrowed down until at the present time only certain crabapples, large apples, and plum, and plum cherry hybrids are dependable. Within the apple group the number of suitable varieties has been reduced by climatic conditions and the disease, fire blight. The plums at best are erratic producers due to their habit of breaking dormancy in February because of warm temperatures caused by chinook winds and thus during many years the fruit buds are frozen by low temperatures in late February or March. That is also the reason why apricots refuse to do well here.

Many of the crabapples, though early, were eliminated due to their susceptibility to fire blight. Summing up the results with tree fruits, it is felt that they are not reliable enough bearers for commercial production except perhaps some crabapples, but for the backyard or farmstead there are many good, hardy, disease-resistant varieties which would enhance the livelihood of those possessing them.

As with tree fruits some of the small fruits are not too reliable. As an example, currants will yield well enough but become badly infested with fruit fly larva. Also some of the currants are secondary hosts to a serious evergreen tree disease. The gooseberries are seemingly not hardy enough and eventually die out.

The good small fruits are raspberries and strawberries; they perform well and are trouble free. Their possibilities for commercial production under irrigation are very good. With proper selection of varieties and good cultural practices they become profitable cash crops for this area.

Winter Storage For Honeybees

BEEKEEPERS may over-winter their strong colonies of bees either outside or in a cellar. Some kind of protection, besides a shelterbelt of trees or slated fence, is generally given to bees when they are wintered out-of-doors. The colonies — packed singly, in pairs or in groups of four — may be wrapped with tar paper alone, Tentest and tar paper, or placed in specially constructed cases having approximately eight inches of insulating material between the hive

(Continued from page 27)



After the beet harvest comes soil drifting

WHEN fall comes round and the sugar beet harvest is well underway, one cannot help but remember that some of the most serious soil drifting occurs on sugar beet land. Other bare fields on irrigated farms, particularly potato land, are also vulnerable. Sugar beets and potatoes usually are grown on the nicest lying and most fertile areas of the farm and therefore soil losses occur on the most valuable fields. The dry fall, only three-quarters of an inch of rain having been recorded at Lethbridge since August 1st, has aggravated the danger.

Measures to prevent soil loss by wind depend on the weather during the next month or so. Naturally the irrigation of all bare, dry land is of first importance. Then plowing to give a rough surface would leave the land in ideal shape for the winter and incidentally would put it in good condition for next spring, if the soil is moist when plowed.

Listing has proved to be a satisfactory practice as a last fall operation under a wide variety of soil and moisture conditions for any fields that are likely to drift. It also has the advantage of taking very little time to do the job. Listing is done by using lister shovels on any ordinary cultivator so that the furrows are about four feet apart and preferably in a north and south direction because the prevailing winds are mostly from the west. When the frost prevents listing with lister shovels the one-way disk can be used

(Continued on page 26)

and the outer case. The insulating material may consist of cut straw, dry leaves, sawdust or planer shavings.

Honeybees may be stored in specially constructed bee-cellars, in dug-outs, or in home basements—depending upon the number of colonies involved. Both methods of wintering honeybees require the knowledge of several well established principles. The principles involved have been published by the Dominion Department of Agriculture and may be secured free of charge by writing the Department of Publicity and Extension, Ottawa, Ontario, or to your nearest Dominion Experimental Farm or Station. The Apiarist at the Dominion Experimental Farm, Brandon, Man., will gladly supply any beekeeper with specific information on his over-wintering problems dealing with honeybees.

by removing sufficient disks to make furrows four feet apart.

Sugar beets and potato land is too valuable to allow damage by drifting winds. No effort should be spared to keep it where it belongs—on our own farms.

Fall tillage of fallow land

WITH a light snowfall last winter and very little rain this summer, there has not been much moisture conserved in most fallow fields. The surface soil in most fallow fields is in a loose, dry, powdery condition, and a few fields are drifting. Recent frosts have killed many of the annual weeds that may have been present, with the exception of stinkweed and some mustards. The question arises as to what further work should be done this fall, if any.

If the land remains free of green weeds, and is not in danger of drifting, there is no object in doing any further cultural work this fall. However, if there are any stinkweeds or mustard plants growing, or if any start to grow before freeze-up, the farmer would be well advised to work the land again this fall.

Stinkweeds and mustards grow at fairly low temperatures and can completely remove what moisture has been conserved. Furthermore, stinkweeds start growth early in the spring, and once well established are difficult to eradicate.

Unless the land is quite stony or too hard to penetrate, the rod weeder is probably the most satisfactory implement to use for tillage at this time of year. If this machine is operated at a fair depth, it will destroy the weeds and at the same time tend to bring the lumps and trash to the surface.

On the other hand, working too shallow with the rod weeder tends to pulverize the lumps, and this must be avoided. Where available, the weeder attachments for the Noble blade can be used in place of the rod weeder. If neither of these machines is available, the duckfoot cultivator can be used. The shovels should be adjusted to run as level as possible, otherwise there will be excessive pulverization. Disking dry soil will almost invariably result in soil drifting.

Skinny men, women gain 5, 10, 15 lbs.

Get New Pep, Vim, Vigor

What a thrill! Bony limbs all out, ugly hollows fill up; neck no longer scrawny; body loses half-starved, sickly "bean-pole" look. Thousands of girls, women, men, who never could gain before, are now proud of shapely, healthy-looking bodies. They thank the special vigor-building, flesh-building tonic Ostrax. Its tonics, stimulants, invigorators, iron, vitamin B₁₂, calcium, enrich blood, improve appetite and digestion so food gives you more strength and nourishment; put flesh on bare bones. Don't fear getting too fat. Stop when you've gained the 5, 10, 15 or 20 lbs. you need for normal weight. Costs little. New "get acquainted" size only 50¢. Try famous Ostrax Tonic Tablets for new vigor and added pounds, this very day. At all druggists.

Renew your subscription to-day.

THE BEST FARM DISINFECTANT

Made only by Pearson's, Genuine Creolin is four times more effective than pure carbolic acid... keeps barns disease-free, animals healthy. Look for the red, yellow and black label at leading drug, hardware and general stores.



Your Co-operation is requested in this survey...

To secure a factual appraisal of the actual losses caused by predators, the Western Stock Growers Association is asking Farmers and Stockmen to supply the following information:

1. What damage and number of livestock have you lost to wolves or coyotes during 1949?
2. Have you sustained damage or losses in poultry, or livestock by cougars, bears or other predators?
3. What losses have been caused by humans or rustlers?

The purpose in securing this information is to place the facts before the government in a co-ordinated effort to get effective action to control these predators.

MAIL YOUR EXPERIENCES AND INFORMATION DIRECT TO THE WESTERN STOCK GROWERS' ASSOCIATION, CALGARY

Inserted by



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AGE OCCUPATION

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DR. CHASE'S
Antiseptic OINTMENT

ELEVEN hundred and fifty head of purebred cattle, sheep and swine will pass through the sale ring during the forty-fifth Annual Calgary Fall Livestock Show and Sale, to be held at the Exhibition Grounds Oct. 17 to 21.

Entries include 200 head of Herefords, Shorthorn, Aberdeen Angus and Holstein cattle. The majority of these are quality

Calgary fall show attracts large entry

females contributed by many of the better known breeders of the Province, although a good selection of young Hereford bulls has been entered. Swine entries include 350 head of pure-bred Yorkshire, Tamworth

and Berkshire boars and sows, while the entry of more than 600 sheep includes a fine selection of Suffolk, Hampshire and Southdown rams and ewes and a few Rambouilles, Corriedales and Cheviots. Fifty head of grade ewes will also be sold.

The quality of animals entered for the Fall Sale has been improving steadily in recent years, and last year records were broken in all divisions. The excellent selection to be offered at the coming sale should meet the requirements of every class of buyer.

The following program has been arranged for the week:

Monday, Oct. 17 — Weighing Market Lambs and Commercial Hogs. 2 p.m. — Judging Sale Cattle.

Tuesday, Oct. 18 — 9:00 a.m. Judging of Simons Valley and Balzac Baby Beef Club Calves. 9:00 a.m. Judging Market Lambs and Purebred Sheep. 9:00 a.m. Judging Commercial and Purebred Swine. 11:00 a.m. Judging Girls' and Boys' Lamb and Pig Feeding Competition. 1:00 p.m. Auction Sale Simons Valley and Balzac Baby Beef Club Calves. 1:30 p.m. Auction Sale of Registered Cattle. 5:00 p.m. Meeting Alberta Hereford Cattle Breeders' Ass'n Administration Building. 7:00 p.m. Auction Sale of Aberdeen Angus Cattle. 8:00 p.m. Annual Meeting, Alberta Swine Breeders' Ass'n, Administration Building. 8:00 p.m. Meeting Directors Alberta Shorthorn Ass'n, Administration Building.

Wednesday, Oct. 19 — 9:00 a.m. Auction Sale Purebred Swine, continuing all day. 8:00 p.m. Annual Meeting, Alberta Sheep Breeders' Ass'n, Administration Building.

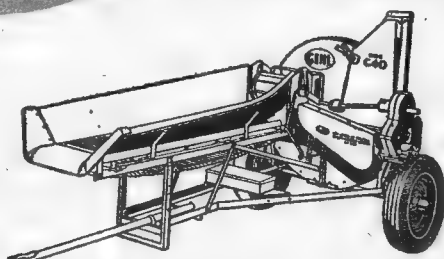
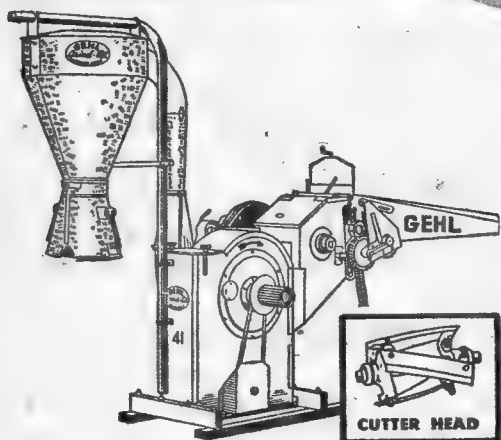
Thursday, Oct. 20—9:00 a.m. Auction Sale of Grade and Purebred Ewes to be followed by Purebred Rams in the following order: Suffolk, Southdown, other breeds, and Hampshires. 7:30 p.m. Auction Sale Carcasses, Market Lambs and Market Hogs, also Girls' and Boys' Lambs and Hogs.

Friday, Oct. 21 — 9:00 a.m. Auction Sale, balance of Rams.

The following Judges have accepted invitations to place the various classes: — Sale Cattle (Beef Breeds) — E. J. C. Boake, Acme. Suffolk and Hampshire Sheep — Walter Hubbard, Junction City, Oregon. Southdown Sheep and Market Lambs — W. S. Benson, Lethbridge. Pure Bred Swine — S. W. Sheppard, Edmonton. Commercial Classes — I. V. Parslow and Alex Beveridge, Calgary.

The Auctioneers will be Archie Boyce, Olds, C. F. Dameron, Bentley, and J. Allen Baker, Cayley.

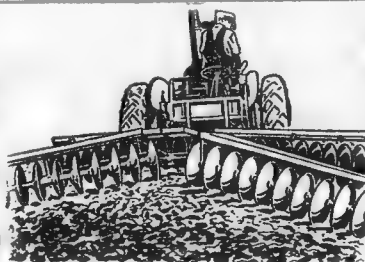
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ON REQUEST

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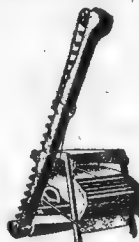
9' 6" with 16" Blades.....	\$259.00	9' 6" with 18" Blades.....	\$279.00
11' 9" with 16" Blades.....	\$306.00	11' 9" with 18" Blades.....	\$329.00



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**ORDER NOW to
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No. 1—24" Mill.....	\$110.00	10' Elevator for No. 1 Mill.....	\$49.50
No. 2—28" Mill.....	\$121.00	10' Elevator for No. 2 Mill.....	\$50.50
No. 3—28" Mill.....	\$137.50	10' Elevator for No. 3 Mill.....	\$51.53
No. 4—30" Mill.....	\$181.50	10' Elevator for No. 4 Mill.....	\$57.75
No. 5—48" Mill.....	\$253.50	10' Elevator for No. 5 Mill.....	\$82.50



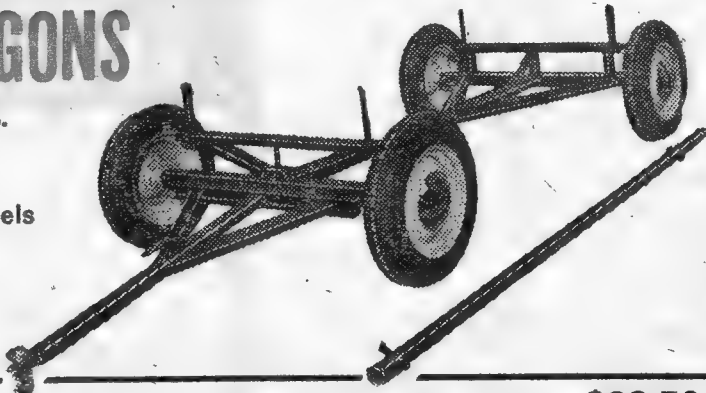
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Heavy Service Spoke Type Wheels
(Not as illustrated)

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Heavy Duty Tanks Made of 14-
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6'x20"x22"	\$29.50
8'x20"x22"	\$36.00

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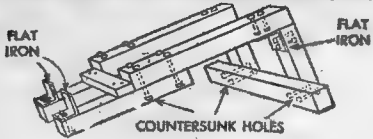
**CALGARY FARM MACHINERY
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507 - 2nd St. E., Calgary, Alberta

Handy Devices

By Courtesy of the "Popular Mechanics Magazine"

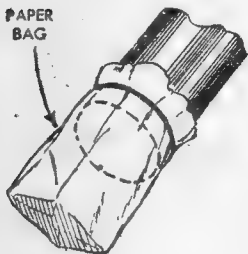
RIDGE HOOK HOLDS LADDER SAFELY ON GABLE ROOF



REPAIRING a roof, cleaning a chimney or painting dormers is done safely and easily if this ridge hook is used to hold the ladder. The hook fits over the ridge so that the weight of the ladder is exerted against the opposite side of the roof. As the hook can be slid along the ridge, the ladder may be used as a work platform at almost any point on the roof. The hook is made of 2 x 4s bolted together, the nuts being countersunk so they will not damage the shingles. The legs of the hook are braced by two angles bent from flat iron and the top rung of the ladder is slipped over two additional flat-iron angles bolted to the hook.

MILK BOTTLES SET IN PAIL OF WATER PROVIDE HANDY CAMP COOKER

BY means of three milk bottles set in a pail of water, an entire meal can be heated simultaneously over a campfire. One of the bottles can be used to heat water for coffee, if the powder type is used, while the other two contain soup, beans, etc. First, place a 3-in. layer of small stones in the bottom of the pail so the bottles will not rest directly on the bottom and possibly break. After standing the bottles in the pail, fill it about three-quarters full of cold water and hang it over the fire. Once the water begins to boil, the food will be heated rapidly.



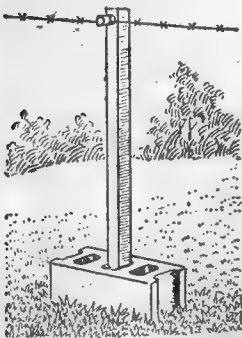
PAPER BAGS TIED TO STOVEPIPE RETAIN SOOT DURING REMOVAL

WHEN stovepipes are taken down for cleaning, much extra work is saved if soot is kept from spilling by closing the ends of the pipes before carrying them outside. This is done by fastening large paper bags over the pipe with rubber bands or string. The bags can also be used to collect the soot as it is loosened.



FILES CLEANED WITH ADHESIVE TAPE

TO clean a file, simply place a strip of adhesive tape lengthwise over the file, rubbing the finger across the tape so the adhesive is pressed between the file teeth, and then pull it loose. This will remove most of the grit and filings from between the teeth but, if necessary, the operation should be repeated until the file is clean.

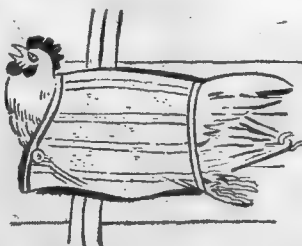


PORTABLE POSTS FOR ELECTRIC FENCES WITH CONCRETE BLOCKS

ELECTRIC fences can be shifted easily if the posts are supported with concrete blocks instead of being set in the ground. Each post is driven into the center hole of a block, the end of the post being hewn, if necessary, to fit tightly in the hole. Anchored in this way, the entire fence can be moved a short distance or several sections shifted without taking down the wire.

POULTRY HELD FOR WEIGHING BY TROUSER-LEG FUNNEL

ONE poultryman improvised an emergency weighing funnel from one leg of a discarded pair of trousers. He cut a section from the leg and fitted one end with a button and buttonhole to keep the fowl from slipping through. Then he made a hole for the scale hook. The fowl is held securely by the sides of the trouser leg and is released by unfastening the button.



Man about the house

In Yonkers, N.Y., police were looking for the thief who removed a pane of glass from Joseph J. Albaum's house, thoroughly rifled the place and carefully reupholstered the glass when he left.

Best friend

In Los Angeles, Mrs. Joyce Brainard won her divorce after testifying that when her husband came home at night he kissed the dog before he kissed her.

Calgary Fall LIVESTOCK SHOW & SALES

Calgary, Alberta

Oct. 17 to 21, 1949

1200 Head

CATTLE, SHEEP and SWINE

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J. CHAS. YULE, Secretary

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Calgary, Alberta

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TODAY'S PRICE **76.50** 36" size

DIRECT FROM MANUFACTURER

Money-Back Guarantee

Save by taking advantage of our fall stock clearance. Digfast will pay for itself in no time. Made to fit any power takeoff tractor or jeep. Digfast is the ONLY digger combining all these outstanding features — steel cut gears — slip clutch to protect operator and machine — telescoping drive shaft and universal joints to permit 50 degree swing over a 4'-8' area. Digfast works on hard or gravel ground, drilling 4 1/2, 7 or 8 inch holes either 36" or 40" deep.

Sold from Coast to Coast
Extra hard face bits.....\$2.70

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When mailing your order send
Tractor Make and Spline Size to

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New implements, machinery or equipment?

New foundation or breeding livestock?

A farm electric system?

Fences, drainage or other developments?

New farm or home buildings?

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winter vacation*



Get MORE from your travel dollar by travelling rail. The clean, fresh comfort of new air-conditioned coaches -- the complete relaxation of foam rubber reclining seats -- space to move about -- clean, wide-vision windows.



SLEEP in COMFORT

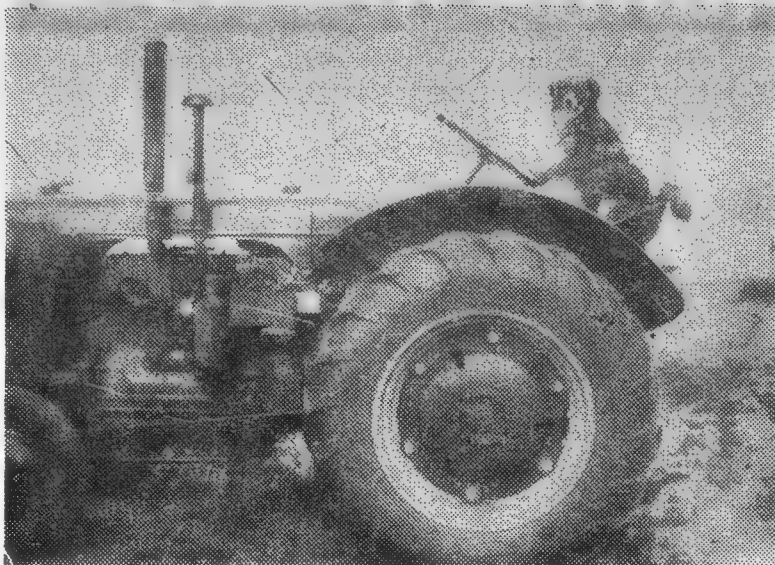
For longer trips, either tourist or standard accommodation provides restful sleep while you travel. And to add to your pleasure, delicious meals are served in the dining car. This year, relax while you travel -- arrive refreshed.

**CANADIAN
NATIONAL
RAILWAYS**



To ALL TEN Canadian Provinces

Hey, Watch the road!



This picture of a tractor-driving dog won \$5 for Neil Trumpour, Weyburn, Sask.

Here's why registered seed can increase grain yields

By F. W. TOWNLEY-SMITH,
Past President, Canadian Seed Growers' Association

SEVERAL perfectly good reasons can be advanced to substantiate this title. It is not, perhaps, quite so simple as saying that Registered Wheat will give you 150 bushels from 5 acres, while common wheat will only give 125 bushels, but this does happen, and even better results have been secured for reasons that are not always readily recognized.

First of all, *Registered Seed* is the *Purest* seed that can be obtained, and by *Pure* we mean that it is not mixed with other varieties or strains. This quality will be appreciated more as we continue.

When a plant breeder originates a new variety or a new strain of a variety, he is generally working towards some particular and specific end. He may be striving after earliness, higher yield, stronger straw disease resistance, insect resistance, less shattering, better colour: To attain any one of these would be well worth while. Sometimes, however, he is fortunate enough to combine sev-

eral of these good qualities in his new variety.

If he gets better disease resistance, then he gets higher yields. If he gets less shattering then he gets higher yields. If he gets stronger straw, so that there is less lodging, then he gets higher yields, because we all know the losses we have to take when a wheat crop "goes down" after a storm. So that an involuntary combination quite often takes place in the good qualities of a new variety.

May we remark just here, that two qualities which do not as a rule go hand in hand are "Earliness" and "Higher Yields".

This new variety must be prevented from becoming mixed with other wheats, at all costs, or only part of the crop will possess those extra qualities which have taken so many years to secure. Now we can begin to see where Purity comes in!

Harking back for a moment to those years when most of us

(Continued on page 31)

Solution to last month's puzzle

C	O	S	T	S	A	V	E	S	S	H	I	N	E	C	H	A	R	T
T	A	M	E	R	A	N	E	N	T	C	A	N	O	N	H	O	M	E
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L	A	N	E	S		S	W	A	N	S		S	N	I	P	E	E	

Two groups of Saskatchewan farmers organize irrigation co-operatives

REGINA.—Two groups of farmers on the Consul and Maple Creek irrigation projects have organized the first irrigation co-operatives in Saskatchewan for the purpose of purchasing water for distribution among their members, according to a recent announcement by Co-operatives Minister L. F. McIntosh.

Designed to obtain and maintain a water supply for members and patrons for irrigation and

(Continued from page 30)

were growing Marquis Wheat and when we had those terrible epidemics of Black Stem Rust. How much increase in yield do you think we got when we changed over to the rust-resistant — Thatcher, Apex, Renown? And if we had another rust attack and your Thatcher wheat was mixed with Marquis or Red Bobs, did you ever stop to consider what would happen to your crop? This matter of Purity is very important and the purest seed there is, is Registered Seed.

There is, however, another reason for getting a higher yield from Registered Seed, one that escapes most people, and it also brings a lot of other good things in its train. It is perhaps more of a moral result of using a high-class product than a reason for getting greater returns.

When a farmer buys Registered Seed, it comes to him in new sacks, carefully sewn, and bearing tags showing its history and its Registration numbers. He pays more money for this Registered Seed than he pays for just seed.

Having made up his mind the year before that he would give some of this Registered Seed a trial, he took extra pains with a piece of summerfallow, and so provided his good seed with a good seed-bed. He picked exactly the right time and the right conditions for seeding. His drill was in good order, as were also his other machines. Quietly, and almost unknown to himself, he gradually worked his way into better farming methods. He realised that it would be bad business to put that kind of seed into weedy fields, so he started to clean up, and presently he had no weedy fields. So, naturally, he got higher yields! The pride and the care that he took in his Registered crops, manifested itself all over the farm. His neighbours bought their seed from him. He got better grades and less dockage at the elevator, and, overall, a much deeper satisfaction in his job.

This happens often enough to surprise a great many people. Bearing in mind that seed is such a small factor in the cost of producing a crop, it always pays handsomely to use the Best Seed You Can Get; Registered Seed.

other agricultural purposes, the Consul irrigation co-op has approximately 30 members and involves about 2,500 acres of irrigated land.

The Maple Creek co-op is com-

prised of around 100 members and covers a combined acreage of about 5,000 acres. Similar to the new co-op at Consul, the Maple Creek co-op in addition has the power to obtain machinery to do custom work for its members and maintenance work on the irrigation project as well as assemble and market products raised on the project. It can also acquire land on which to operate a community pasture. "The recent incorporation of these co-operatives places control of the irrigation facilities in the hands of those who are making use of them, on the basis of one member—one vote," Mr. McIntosh explained.

A FARM ORGANIZATION

Built by

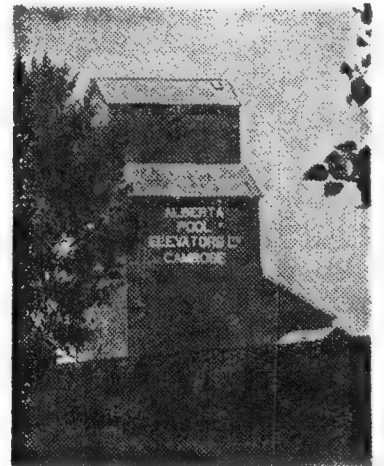
Owned by **ALBERTA FARMERS**

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Alberta Pool Elevators as a farmer-owned co-operative, provides grain producers with the very best grain handling service.

It will pay you to patronize

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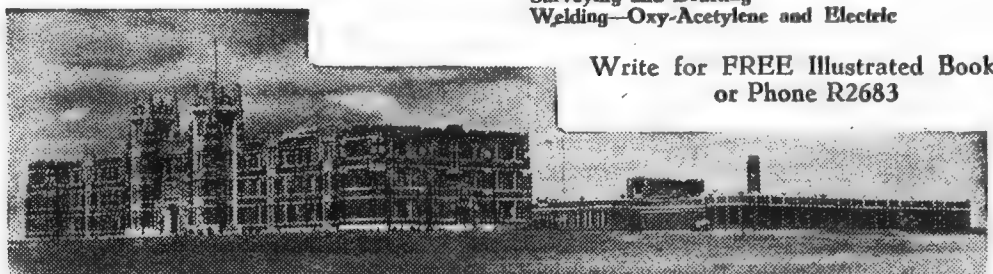
Aeronautical Engineering
Air Engineering
Commercial Wireless Operating

OCTOBER 31st

Agricultural Mechanics
Automotive Electricity
Farm Construction and Mechanics

SEPTEMBER 26th

Art—Fine and Commercial
Automobile Mechanics
Building Construction and Drafting
Craftwork
Dressmaking
Industrial Electricity
Machine Shop
Mechanical Drafting
Pottery and Ceramics
Radio and Refrigeration Servicing
Restaurant Management
Surveying and Drafting
Welding—Oxy-Acetylene and Electric



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Hon. Ivan Casey, Minister of Education.

J. Fowler, Principal.

CANADA PACKERS LIMITED

REPORT TO SHAREHOLDERS

The 22nd year of Canada Packers Limited closed March 30th, 1949. (Henceforth referred to as 'Fiscal 1949')

Following is a skeleton outline of the operations of the year.

1. Dollar Sales (new record) - - - - -	\$314,918,888
Previous record,—Fiscal 1948 - - - - -	238,454,037
Increase over previous record - - - - -	\$ 76,464,851
Sales in last pre-war year,—Fiscal 1939 - - - - -	\$ 77,225,732

NOTE: Increase in sales, Fiscal 1949 over Fiscal 1948, (\$76,464,851) is almost equal to total sales of the last pre-war year (\$77,225,732).

2. Tonnage,—weight of product sold - - -	1,503,000,000 lbs.
Tonnage had been exceeded in three previous years:—	
Fiscal 1945 - - -	1,698,000,000 lbs.
Fiscal 1944 - - -	1,582,000,000 lbs.
Fiscal 1946 - - -	1,526,000,000 lbs.
Tonnage last pre-war year,—Fiscal 1939	800,000,000 lbs.

NOTE: Dollar Sales Fiscal 1949,—approx. 4 times those of Fiscal 1939.
Tonnage Fiscal 1949,—approx. twice that of Fiscal 1939.

3. Net Profit after all charges - - - - -	\$2,807,237
equivalent to .89% of Sales	
equivalent to 18.7c per 100 lbs. of product.	
i.e. something less than 1/5c per lb.	

Corresponding figures for last pre-war year,—

Net Profit - - - - -	\$1,238,736
equivalent to 1.61% of Sales	
equivalent to 15.5c per 100 lbs. of product	

NOTE: Profit per pound approximately the same as that of Fiscal 1939.
Profit as percentage of Sales approximately one-half that of Fiscal 1939.

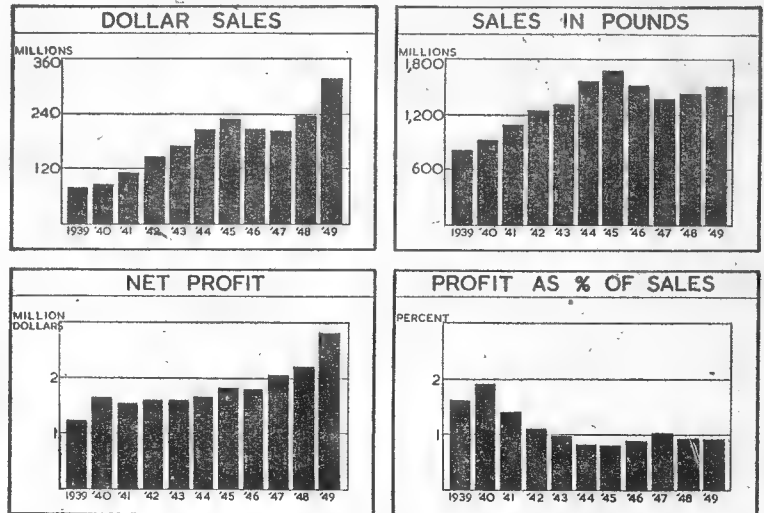
The following table sets up a comparison of the years:—

Fiscal 1949,—the year under review
Fiscal 1948,—the previous year
Fiscal 1939,—the last pre-war year.

Distribution of Sales Dollar

	Fiscal 1949	Fiscal 1948	Fiscal 1939
Dollar Sales - - - - -	\$314,918,888	\$238,000,000	\$77,000,000
Out of each Sales Dollar there was paid:—			
For Raw Materials — chiefly Live Stock and other farm products -	84.42c	81.37c	80.45c
For Wages, Salaries and Bonus - - - - -	7.02	8.48	8.86
For Services, — General Expenses - - - - -	3.65	4.36	4.37
For Materials and Packages - - - - -	2.69	3.12	2.66
For Taxes, — Municipal Provincial and Federal	.83	1.08	.69
For Debenture Interest	.05	.02	.21
For Depreciation on Fixed Assets - - - - -	.34	.42	1.15
For Inventory Reserve -	—	.26	—
For Pension Plan - - -	.24	—	—
	99.24c	99.11c	98.39c
Remainder, — Profit from Operations - - - - -	.76c	.89c	1.61c
Plus Income from Invest- ments, etc. - - - - -	.02	.02	—
Dividends from Subsidiaries - - - - -	.11	—	—
Total Net Profit for the year— on each dollar of Sales	.89c	.91c	1.61c

COMPARATIVE STATISTICS



It will be seen that, out of each dollar of sales, there was paid for raw materials 84.42c This was the average for all raw materials.

The products handled by the Company fall into four broad divisions —

1. **LIVE STOCK**, from which are derived:—
Meats,—Beef, Veal, Pork, Lamb and Mutton;
By-Products,—Hides, Skins, Tallow, Bones, Tankage, etc.
2. **OTHER FARM PRODUCTS**,
Butter, Eggs, Cheese, Poultry, Fruits, Vegetables, etc.
3. **NON-FARM PRODUCTS**, comprising,
Edible Oils, Shortening, Margarine, Soap, Peanut Butter,
Fish, Fertilizers, Stock Foods, etc.
4. **MANUFACTURING**,—comprising,—
Canned Meats, Canned Fruits and Vegetables, and Frosted Foods.

In respect of each separate division, as distinct from the over-all average of 84.42c, the sum paid for raw materials was as follows:—

Division 1—Live Stock - - - - -	84.7 c
Division 2—Other Farm Products - - - - -	90.14c
Division 3—Non-farm Products - - - - -	83.21c
Division 4—Manufacturing - - - - -	65.22c

The fact that out of each dollar of sales of Live Stock products there was paid back to the farmer 84.7 cents, and for each dollar of sales of other farm products the farmer received 90.14 cents, constitutes a new and remarkable record.

These high returns are explained by two main facts:—

1. The low cost of processing, made possible by the large volume and varied operations of Canada Packers.
2. The extremely high range of prices for farm products which obtained throughout the year.
This high range of prices was brought about chiefly by the lifting of controls, and consequent advance of farm prices to the U.S. level.

The successive steps in decontrol occurred as follows:—

October 22, 1947—all ceiling prices on meats were lifted.

August 3, 1948—embargo lifted against the movement of Sheep and Lambs to United States.

August 16, 1948—embargo lifted against the movement of Cattle and Calves to United States.

An approximate measure of the effect of these decontrols is revealed in the following table, which sets up the average price per pound of all products sold, for the years 1939 to 1949.

NOTE: Average price per pound is arrived at by dividing number of pounds sold into total dollar sales.

Example,—Dollar sales, Fiscal 1949 - - - - -	\$314,918,888
Number of pounds - - - - -	1,503,000,000
Average price - - - - -	21c per lb.

	Average Price Per lb.	Increase from Previous Year	
Fiscal 1939	9.6c		
" 1940	9.7c	.1c per lb.	1.0%
" 1941	10.1c	.4c "	4.1%
" 1942	11.8c	1.7c "	16.8%
" 1943	12.7c	.9c "	7.6%
" 1944	13.0c	.3c "	2.4%
" 1945	13.5c	.5c "	3.8%
" 1946	13.7c	.2c "	1.5%
" 1947	14.9c	1.2c "	8.8%
" 1948	16.5c	1.6c "	10.7%
" 1949	21.0c	4.5c "	27.3%

- NOTE: (a) Advance in average price for Fiscal 1949 was 4.5c lb.,—equivalent to - - - - - 27.3%
- (b) Greatest advance in any previous year (that of Fiscal 1942) had been 1.7c per lb. - - - - - 16.8%
- (c) The average price of the five pre-war years (Fiscals 1935-1939 inclusive) had been - - - - - 9.5c
- (d) Average price of Fiscal 1949 (21c per lb.) exceeded the average of the 5 pre-war years (9.5c) by - - - - - 11.5c per lb. equivalent to - - - - - 121%

How long can such price levels continue?

Is a post-war deflation near at hand?

Has it already begun?

(NOTE: A substantial decline in U.S. Cattle prices has already occurred.)

Will further decline (when it comes) be gradual or abrupt?

At what approximate levels (relatively to pre-war) will farm prices ultimately stabilize?

Although it is more than four years since the end of the war, it is still difficult to give a confident answer to any one of these questions. However, the underlying conditions which will in the end determine price levels are beginning to appear.

Amongst these are the following:—

- (1) All over the world, hunger and high prices have led to a vast increase in food production. In Europe, for two years following V-E Day, a condition existed of semi-starvation. Great quantities of food were shipped from United States and Canada.

All this is changed.

Europe is still short of meats and dairy products but has not dollars to buy them from North America, and is able to maintain a fairly adequate standard of nutrition without them.

- (2) In United States and Canada, therefore, live stock prices will be determined chiefly by conditions of supply and demand, at home.

On the supply side, live stock production seems likely to increase. The growing problem of finding buyers abroad for surplus grains will force farmers to market their grains through the medium of live stock.

On the demand side, purchasing power is still high, but some diminution has already set in.

- (3) The peak of prices in U.S. and Canada has admittedly been passed. It would seem certain that further declines were imminent, except for the delaying influence of Government support policies. Up to now, because of resilient national revenues, these supports have not imposed a heavy burden. But national revenues are shrinking and the sums involved in the support policies are increasing. It is by no means certain that the United States can carry indefinitely the burden of farm support on the scale involved in present legislation.

In a year of record volume and extraordinary price advances, a record profit was to be expected. Upon normal operations, after Taxes, Depreciation, and Bonus, Net Profit was - - - \$3,223,686

This made possible a plan Directors had been considering for several years,—viz. the placing of the Company's pension plan upon a contractual basis.

Since Canada Packers was organized (1927), pensions had been paid to all retiring Employees. In Fiscal 1949 the number of Employees on pension was 179. Total sum paid - - - \$104,313

Actuarial surveys had warned that the cost of the plan, in the years immediately ahead, would mount rapidly, and Directors felt the setting up of a fund could not longer be delayed.

At the formation of the Company, 5% of the Common Shares had been set aside for this purpose, and the accumulated dividends on these shares were in hand - - - - - \$657,498
Otherwise no fund existed.

Space limitations do not permit a description of the plan adopted. A booklet has been published giving full details. Shareholders or others who are interested may have a copy upon application.

The obligations of the Company for pensions are now definitely fixed.

- (1) In respect of Employees already retired, pensions will be charged as heretofore against current operations.

	CURRENT CAPITAL
Payment for the present year (Fiscal 1950) will be approximately - - - - -	\$105,000

NOTE: As no new names will be added to this group, payments will gradually decline to zero.

- (2) In respect of Employees hereafter to be retired, payments fall into two categories.

(a) For past service. The cost of this will be borne entirely by the Company. Cost if paid in one sum, approximately - - - - -	\$3,000,000
--	-------------

NOTE: \$1,000,000 was paid in Fiscal 1949. Also \$1,000,000 has already been paid in Fiscal 1950. Directors hope to complete payment in Fiscal 1951.

(b) For future service. This plan is contributory. Employee pays approximately half and Company approximately half. Company's contribution approx. (per year) - - - - -	\$395,000
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Total payments during Fiscal 1949, in respect of new pension plan were - - - - -	\$1,423,947
derived as follows:—	

Accumulated dividends on Shares set aside at formation of Company - - - - -	\$ 657,498
Dividend from wholly-owned Subsidiaries - - - - -	350,000
Charged to current operations - - - - -	*416,449
	\$1,423,947

*Net Profit brought down - - - - -	\$3,223,686
Less charge as above - - - - -	416,449
Final Net Profit - - - - -	\$2,807,237

Dividend from Subsidiaries

Canada Packers has three wholly-owned Subsidiaries, the investments in which have heretofore been carried on the Balance Sheet at original purchase price. The Dividend of \$350,000 referred to above is the first Dividend received from them.

These Subsidiaries are:—

The Collis Leather Company Limited, of Aurora - - - - -	acquired in Fiscal 1936
Frank Hunnisett Limited, of Toronto - - - - -	acquired in Fiscal 1941
Beardmore & Co. Limited, of Acton - - - - -	acquired in Fiscal 1945

The Collis Company and the Beardmore Company are manufacturers of Leather, and formerly bought a large portion of their raw material (Calf Skins and Hides, respectively) from Canada Packers. Frank Hunnisett Limited were processors of fresh meats,—(Beef, Calves, Lambs),—situated immediately West of Canada Packers' plant on St. Clair Avenue, Toronto.

In the Report to Shareholders the Balance Sheet of Canada Packers is set up in two columns. The first column treats investments at cost, and is therefore comparable with Balance Sheets of previous years.

The second column is a Consolidated Balance Sheet, in which are merged the total assets and liabilities of the above three Subsidiaries.

Employee Relations throughout the year were cordial and co-operative. During the war, due to rapid labour turnover and other causes, efficiency declined. Beginning with 1946, both output per man hour and quality of product have steadily improved. For this, Directors extend to Employees of all ranks their sincere appreciation.

The Company has continued its profit-sharing policy.
Bonus distributed at the year end was - - - - - \$1,040,000

Total sum set aside within the year for the benefit of
Employees, (including \$1,423,947 for pensions) was - \$2,463,947

Since 1935,—when dividends were first paid on the Common
Shares, the profit and distribution record has been as follows:—

	Bonus to Employees	Net Profit (After Bonus)	Dividends to Shareholders	Left in Business
Fiscal 1936 - - - \$	415,000	\$1,288,011	\$600,000	\$688,011
" 1937 - - -	512,000	1,522,662	600,000	922,662
" 1938 - - -	193,000	1,100,559	600,000	500,559
" 1939 - - -	216,000	1,238,736	600,000	638,736
" 1940 - - -	590,000	1,667,809	800,000	867,809
" 1941 - - -	700,000	1,555,028	900,000	655,028
" 1942 - - -	755,000	1,611,465	800,000	811,465
" 1943 - - -	792,000	1,611,418	800,000	811,418
" 1944 - - -	937,000	1,687,587	800,000	887,587
" 1945 - - -	1,060,000	1,824,811	900,000	924,811
" 1946 - - -	1,200,000	1,816,781	1,000,000	816,781
" 1947 - - -	1,250,000	2,059,644	1,000,000	1,059,644
" 1948 - - -	1,500,000	2,182,300	1,000,000	1,182,300
" 1949 - - -	1,040,000	2,807,237	1,000,000	1,807,237
Total Bonus - - -	\$11,160,000			

Total to Employees, including payments this year for Pen- sions - - - - -	\$12,583,947
Total dividends - - - - -	\$11,400,000
Total left in business - - - - -	\$12,574,048

This table is published for the information of Shareholders. At each recent Annual Meeting there has been a suggestion that an increase in dividend might be justified. Directors recognize that, in view of the strong working capital position, such a request is not unreasonable. However, action has been postponed for two reasons:

- (1) Directors felt that the setting up of a Guaranteed Pension Plan should come first.
- (2) Having in mind the catastrophic deflation losses of 1920/21, they hesitated to commit the Company to a higher dividend scale, until more normal conditions were re-established.

It is believed the Inventory Reserves set up during the war will more than meet any deflation losses which are now likely to occur. However, Directors feel that action regarding the dividend should be postponed until the economic horoscope becomes somewhat easier to read.

J. S. McLEAN,
President.

Toronto, August 22nd, 1949.

Extra copies of this report are available and so long as they last, will be mailed to anyone requesting them. Address to Canada Packers Limited, Toronto 9.

AUGUST 1949 was a month that will long be remembered by everyone in the Peace River country. That was the month when some 15,000 persons in 4,000 cars gathered to the banks of the Big Smoky River, to witness the grand opening of the 780 foot bridge which now spans the river.

During heavy tourist travel, long hours of waiting were experienced by many. During World War II, with the large convoys of American troops travelling through to and from Alaska, the ferry proved very inconvenient. This bridge will not only be an asset to the immediate country around, but to the whole nation in regards to national defence.

Located on the Alaska Highway, and some 350 miles north west of Edmonton, this bridge is going to prove beneficial to the people for miles around. The largest bridge in the Alberta section of the Peace River district, it measures 780 feet long, has two abutments; 5 spans and 4 piers. It has a 22 foot roadway, supplying abundant room for two 20-ton trucks to travel abreast. The bridge is built 6 feet above the high water mark.

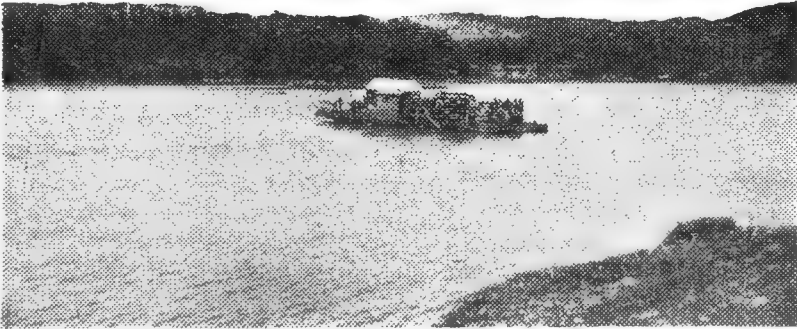
Cuties



Marguerite Townsend of Maple Creek, Sask., sent us this shot of kittens at play.

Big Smoky River Ferry makes its last trip

BY MARY BAUGHN



580 tons of steel and 2,500 yards of concrete went in to the making. The total cost of construction was \$350,000.00. Work commenced on the bridge in November 1948, and was held up for just a short time in the winter, due to cold weather.

Fifty floats participated in the parade to celebrate the opening. Some depicted the pioneer spirit, while others, the modern time. The parade was certainly a good presentation of "March of Time", all the way from the farmer with his team of oxen and a one bottom plow, to the modern type of farming with the combine.

A band of Indians from the Sturgeon Lake reserve, headed by Chief Woodpecker, all dressed in blankets, buckskin, feathers and war paint, led the parade. Beating their tom-toms, they sang a tribal song. Behind them came a group of trappers and the Hudson Fur Brigade. The Anglican church mission was well represented with a little log church, and the playing of favorite hymns. It was dated 1874, which was the date of the Inauguration of the Diocese of Athabasca. A float bearing Forbs Presbyterian

church and dated 1909, stated its travels of 19,000 miles doing missionary work.

Old Timers Return

Father Giroux, now 80 years old, retired and living at Jousard, came for the occasion. He is the oldest old timer of the Peace River country, and one of its first teachers and missionaries. He is credited for building such colonies as Jousard, McLennan, Falher and Girouxville. There was Grande Prairie's first Post Office and dated 1911. Mail was delivered once a month then. A prairie schooner brought back many memories, also Muskeg Flea, and a team of oxen and covered wagon. Even Klondike Kate and her famous Saloon was there.

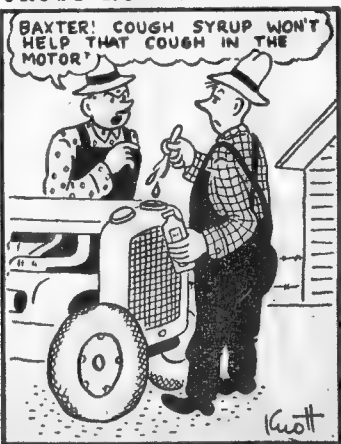
Many towns and districts of the Peace River country were well represented by floats, which well represented their respective districts. Sexsmith, "The Grain Belt of the Empire". Hythe, "The Town of Flowing Well", of which there are 42 such wells. Beaverlodge, "Home of the Dominion Experimental Station". Debolt, a district known for the growing of legume crops. These, only to mention a few, and many others,

made up the largest parade ever to assemble in the Peace River country, and one that will be remembered by everyone that attended.

This day brought many memories back to the old timers of the country. They could be spotted throughout the crowd, recalling the good old days, the time they came over the Edson Trail. There was Mr. McCasland, who was the first white man to cross the Simonette River, Mr. Stagnere who said it took him two days to cross the Smoky River with oxen, Mr. Grant one of the first pioneers and now living at Lake Saskatoon, and Ben Foster of Sexsmith, a homesteader of 1911. These are only a few of the many old timers who came to the largest celebration of the country. Everyone enjoyed the barbecue and open air dance, which rounded off a perfect day.

This bridge will bring the end of a long era. The ferry's first trip across the Smoky commenced in 1911, and has continued faithfully, except during high water, the freezing in the winter and the spring break-ups. At this time when crossing was impossible, a basket was used to cross the river, in case of an emergency. This was the last and only ferry between Mexico and Alaska.

CROSS ROADS





The Styleline
De Luxe 4-Door Sedan

There's no tougher proving ground than a farm, and on the farm they call Chevrolet the most Beautiful BUY of all!

Yes, the toughest test *any* car can pass is use on the farm. Farmers demand more durability . . . more dependability. Chevrolet has proved itself the farmers' choice for value.

Then, too, farmers prefer the distinctive Chevrolet styling that remains modern and beautiful through the years.

Canadian farmers have given the new Chevrolet an overwhelming vote of confidence for its riding comfort, for its Valve-in-Head engine that stands up to the heaviest farm use . . . for its economy of operation and upkeep. On all these counts, today's farmer knows Chevrolet is the most Beautiful BUY of all!

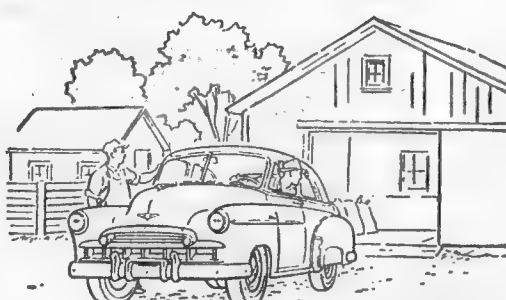


A PRODUCT OF GENERAL MOTORS

F-49-C-3



Farmers figure features against cost, and find Chevrolet delivers top value all the way. Chevrolet features can't be matched at Chevrolet prices . . . and that's why farmers prefer Chevrolet.



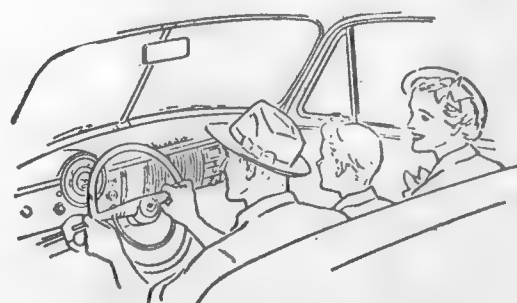
Farmers say Chevrolet's Valve-in-Head engine provides power aplenty for the toughest job — and it's easy on gas and upkeep costs. Power with economy makes Chevrolet the ideal farm car.



Farmers find that Chevrolet has extra roominess with "Five-Foot Seats" . . . loads of trunk space for the bulkiest bundles you buy on your trips to town . . . plenty of room for tools and equipment.



Chevrolet gives the farmer practical car styling . . . styling that is years ahead with more room, more comfort, more safety . . . lower centre of gravity without loss of road clearance.



All of the family enjoys Chevrolet's improved visibility and the protection of its safety plate glass. The 30% increase in glass area means more pleasure . . . more safety.

FUNLAND

THE FAMILY ENTERTAINER

BY
A.W. NUGENT
THE WORLD'S
LEADING
PUZZLEMAKER



ABBREVIATIONS,
WHAT ARE THEY?

1. R.F.D.	2. F.B.I.	3. P.T.A.
4. S.R.O.	5. M.P.	6. D.S.T.



SPELL AT LEAST 25 WORDS
BY USING ONLY THE 6
LETTERS IN "ACTION" TO
WIN THIS WORD GAME.



MRS. SMITH HAS SIX DAUGHTERS
AND EACH OF THEM BOUGHT
HER A NICE BIRTHDAY GIFT.
THESE PICTURES REPRESENT THE
GIRLS' FIRST NAMES.
SEE IF YOU CAN READ THEM.



The Jumping Flame

FIRST LIGHT A CANDLE AND THEN BLOW
IT OUT AND HOLD THE MATCH OVER
IT A SHORT
DISTANCE AWAY

THE FLAME
OF THE
MATCH WILL
LEAD TO THE
CANDLE PASS-
ING DOWN THE
SMOKE TO
THE WICK.

JOIN THE DOTS IN
THEIR ORDER TO ROUND UP
THREE OTHER ANIMALS.

1. HERSONCO; 2. PASMAN;
3. ENTRKA; 4. IGERAFT;
5. ODLAONG;
6. EHIFEGTR

**UNSCRAMBLE EACH GROUP OF
LETTERS TO SPELL THE
NAMES OF SIX WATERCRAFT.**

ANIMAL HUNT

**PRINT A LETTER IN EACH
BOX, READING DOWN-
WARD, TO SPELL SEVEN ANIMALS.
THE LETTERS IN "PATHWAY"
FORM A PART OF EACH WORD**

(Released by The Associated Newspapers)

AN
AUSTRALIAN
BIRD CAN
BE SEEN BY
CONNECTING
THE DOTS IN
THEIR ORDER.

A.W. NUGENT 5

PICTURE NO. 1 SHOWS
GRANDPA WHEN HE
WAS 10 YEARS OLD. NO. 2,
HOW HE LOOKED AT 20. NO. 1,
UPSIDE DOWN, WHEN HE WAS 50.
NO. 2, UPSIDE DOWN, AS HE
LOOKS TODAY AT 90.

NO. 1 **NO. 2**

A B C

PERHAPS YOU CAN SOLVE THIS PROBLEM FOR JIM PANZEE.
HE WANTS TO DIG A SEPARATE DITCH FROM EACH SMALL
"A" TO THE LARGE "A", FROM EACH SMALL "B" TO THE LARGE "B",
AND FROM EACH SMALL "C" TO THE LARGE "C". CAN YOU MARK IN
THE NINE LINES WITH YOUR PENCIL TO REPRESENT THE DITCHES?
REMEMBER YOUR LINES MUST NOT TOUCH OR CROSS OR TOUCH ANYTHING
ELSE IN THE PICTURE INCLUDING THE BORDER.

A.W. NUGENT

I'M A CINCINCH TO SKETCH.

ADD THE LINES STEP BY STEP.

1 2 3

PUZZLE SOLUTIONS

ANIMAL HUNT:
1. PIG, RAM, RAT, HOG, EWE, CAT AND YAK.
2. FRIGATE, 3. SCHOOONER, 4. SAMPAN, 5. TANKER,
6. FREIGHTER.
7. MILITARY POLICE, 8. DAYLIGHT SAVING TIME.
9. TEACHER ASSOCIATION, 10. STANDING ROOM ONLY,
11. FEDERAL BUREAU OF INVESTIGATION, 12. PARENT-
FEDERATION, 13. RURAL FREE DELIVERY, 14. ABBREVIATIONS:
1. RURAL FREE DELIVERY, 2. ABBREVIATIONS:
ELISIE, KITTY, LILY, EFFIE, CARRIE AND BELLE.
3. REBUS OF GIRLS' NAMES:
TIC AND TIN.
4. WORD GAME: A. AN, ANT, CAT, COM, COAT, IT, IN,
LOTA, ION, ICON, NOT, NIT, NOAT, ON, O, T, TON, TQ, TAN, TONIC,
TQ AND TIN.
(Released by The Associated Newspapers)

Nollet urges land use surveys as basic step to conservation

REGINA.—The need for comprehensive land use surveys in southwestern Saskatchewan municipalities as a basic step in planning urgently-needed conservation and development schemes was emphasized recently by Agriculture Minister I. C. Nollet on his return from a 1,000-mile trip through the worst crop-failure areas of the southwest.

On the trip Mr. Nollet, accompanied by Deputy Minister M. E. Hartnett, made an extensive survey of conditions in the Swift Current, Ponteix, Cadillac, Shaunavon, Eastend and Maple Creek areas. In addition, the minister inspected irrigation works and feed and fodder projects being developed by the provincial conservation and development branch at Mortlach, Herbert, Waldeck, Cadillac and Govenlock.

While remarkable progress was being made on these projects, Mr. Nollet pointed out that a comprehensive land use survey would have to be carried out in each municipality before regrassing schemes and other long-term projects aimed at stability could be planned. Information which could be obtained from such a survey, he said, was necessary as a basis on which to build a sound agricultural economy, and the agricultural committee in each municipality could make an important contribution by undertaking such a municipal survey.

A municipal feed project being developed by R.M. 51 near Vidora was described by Mr. Nollet as an outstanding example of what could be done as an agricultural work and wages project. Several hundred acres of municipal and crown land are now being broken on the project, in preparation for seeding to forage crops next year when the land is brought under irrigation.

Referring to the department's own work through the agricultural conservation and development branch, Mr. Nollet said that on one project, north of Mortlach, 185 tons of alfalfa were grown on 160 acres of abandoned land seeded down by the branch in 1947, and another 1,000 acres were seeded to alfalfa this spring. This land, which was badly eroded and should never have been used for grain production, is now being put to proper use, he said.

Other work of the new branch inspected by the minister in-

cluded secondary ditch installations in the Swift Current irrigation scheme at Waldeck, extending the amount of land under irrigation in that district to about 3,000 acres; the secondary distribution system at Herbert, where it is expected that the entire 9,300 acres on that project may be served next year; and the Spangler project near Govenlock, where 1,200 acres will be under irrigation next year.

ROLL YOUR OWN
BETTER CIGARETTES
WITH

DAILY MAIL

CIGARETTE TOBACCO

**YOU BET! I'M
ON THE FARM**

I'm doing the "joe"
jobs on 6,000 Alberta
farms already.

Reddy Kilowatt



*Of the farms already electrified throughout Alberta,
Calgary Power Ltd. serves the following groups:*

Acme	Coaldale	Irricana	Rosemary
Angus Ridge	Cranford	Lacombe	Springbank
Big Bend	Eckville	Lethbridge	Strathcona
Blackfalds	Frank Lake	Little Red Deer	Sturgeon
Bow North	Fredericksheim	Olds	Taber
Bremner	Gem	Ponoka	Wang
Carstairs	Gladys	Red Deer	West-
Clearwater	Glenwood	Rockyford	Wetaskiwin
Clive			Winterburn

It also serves 1,200 other scattered farm families as well.



Tune In to Kerry Wood, "Alberta Past and Present", CFCN, Thurs., 10:15 p.m.

Fixed price

In McAlester, Okla., Mrs. B. S. Nabor collected \$2,500 damages from the Rock Island and M.K.T. railroads for injuries suffered when she fell at the depot; simultaneously her husband collected an additional \$500 for "loss of his wife's affections during her hospitalization."

NEW WATERLOO BELLE CITY THRESHERS CLEANER BALDWIN COMBINES

SPEEDY REPAIR PARTS SERVICE

for
Waterloo Threshers
George White Threshers
Wood Bros. Threshers
Avery Threshers
Belle City Threshers

HART FEEDER AND WEAHER PARTS SERVICE

For all of above machines as well as for other makes.

also
Complete latest style Hart Weighers and Feeders for all makes.
Fibre and Steel Cylinder Drive Pulleys all sizes.
Ratchet Cylinder Wrenches

Waterloo Machinery (ALBERTA) LIMITED

629 - 10th Ave. West, Phone M9927
Calgary, Alta.

SAFETY GLASS for Automobiles

Any Make of Car

THE BENNETT GLASS CO. LTD.

M 1778 228 - 7th Ave. East, Calgary

Rural power promised 1,200 Sask. farms this year

REGINA.—An estimated 1,200 Saskatchewan residents will receive electrification this year under the province's rural electrification program, J. W. Tomlinson, manager of the Saskatchewan Power Corporation, said recently in Regina.

In what he described as a "test year", Mr. Tomlinson said the corporation was endeavouring to test, through practical application, legislation passed in the last session of the provincial legislature. In the program so far this year, it was working on enough "sample districts" of different sizes to gain adequate information which could be applied to 1950's overall rural electrification program.

In selecting applications for rural electrification to date, he said, some of the factors considered were the amount of line mileage required for each farm, and where power could best be utilized, such as in mixed farming areas. Although "there are

and will be districts where it is presently impractical to have electrification — that is, until generating and transmission facilities can be completed", Mr. Tomlinson added that the power corporation is endeavouring to complete these facilities as rapidly as possible.

Groups of farmers who have received electrification since January 1, 1949, include a group of 31 around Aberdeen; 27 at Annaheim; 22 at Wimmer; 14 at Kelvington; 14 at Hendon; 29 at Drake; 14 around Churchbridge; 24 north of Grand Coulee; and eight east of Nipawin.

Rural distribution systems are currently being installed to serve 60 farmers in the Melfort area; a group of 55 north of Star City in the Brooksby area; 24 farmers south of Weyburn; 14 north of McTaggart; and 10 west of Moosomin; as well as numerous individuals and small groups throughout the province totalling about 400 rural and urban residents.

Authorized for completion before year's end are services for 23 farmers north of Brancepeth; 150 farmers and 100 urban residents in the Muenster-Lake Lenore area; 12 rural and 40 urban residents in the Rush Lake-Main Centre area; 20 rural and 40 urban residents south of Meacham; 25 farmers northwest of

Regina; 42 near Preeceville; and 13 southeast of Yorkton.

Power Output

Approximately 110,434,369 kilowatt-hours of electrical power was generated and sold during the first seven months of 1949. This represented an increase of 11.3 per cent over the 97,899,267 kilowatt-hours generated and purchased during the corresponding period last year.

Meters in service at July 31, 1949, totalled 54,546 against 48,002 for the same period last year, also an increase of 11.3 per cent. Construction projects completed this year extended service to 21 villages and hamlets, including Annaheim, Antler, Avonhurst, Buchanan, Cymric, Dunleath, Edenwold, Edgeley, Esk, Jansen, Kandahar, Leinan, Parkbeg, Renown, Secretan, Stewart Valley, Tate, Uren, Valjean, Wauchope and Zelma.

The power corporation recently awarded a tender to L. H. Achen to build 31 miles of 33,000-volt line from Yorkton to Canora at an estimated cost of \$93,020 which, when completed, will boost the supply of power to Canora and points north. Construction has been completed on a 69,000-volt line from Neudorf to Yorkton and the projected line from Stoughton to Neudorf will be completed this year, enabling power from the Estevan plant to be transmitted north to Grenfell, Melville and Yorkton.

Harold Pope elected president of W.C.R.A.

DELEGATES to the first annual convention of the Western Canada Reclamation Association unanimously elected Harold W. Pope, K.C., of Moose Jaw, as their new president. The meeting was in Lethbridge.

The new president of the re-

clamation organization was a delegate to the meeting for the South Saskatchewan River Development Association. He succeeds A. P. "Art" Burns of Medicine Hat.

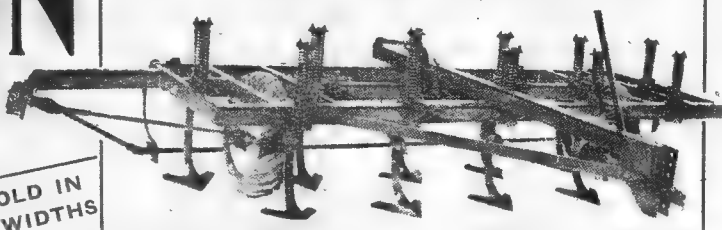
Earlier, nearly 100 delegates had approved a slate of 13 directors from the three prairie provinces and British Columbia, who in turn met following the afternoon sessions to elect a new president and executive.

Named as first vice-president was A. W. Gray of Rutland, B.C., president of the Association of British Columbia Irrigated Districts, while J. Cameron of Youngstown, Alta., was the choice for second vice-president.

Four executive members were chosen from the directors: Mr. Burns, Mr. Pope, E. E. Eisenhauer, deputy minister of public works for Saskatchewan, and Guy Constable of Creston, B.C.

Other directors include Carl Anderson, Brooks, Eastern Irrigation District; F. J. Dickson, Swift Current Chamber of Commerce; S. McEachern, Saskatoon Chamber of Commerce; George Fansett of Winnipeg, Ducks Unlimited; Bruce Dixon, New Westminster, B.C., dyking committee; and Frank Putnam, Creston, B.C., former minister of agriculture.

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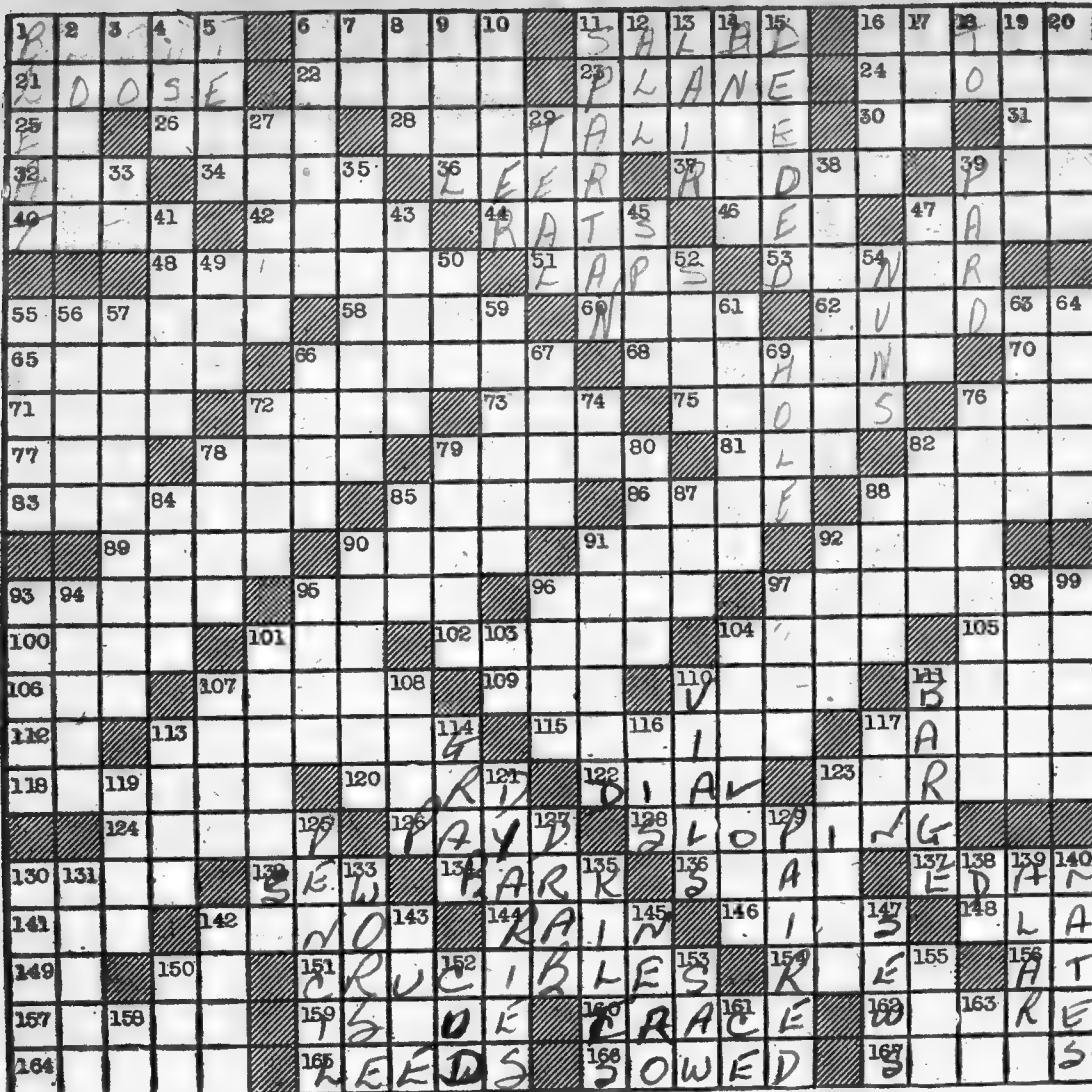
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HORIZONTAL

- 1 Font
6 King of Crete
11 A cold dish
16 Musical instrument (pl.)
21 Slack
22 Genus of frogs
23 Carpenter's tool
24 Coral island
25 Teutonic god
26 Market
28 Provoke
30 Plural pronoun
31 Prefix: twofold
32 Philippine native
34 Small children
36 Sly look
37 Archaic: interprets
39 Fondle
40 Silicate of magnesium
42 Afternoon parties
44 Rodents
46 Radical
47 Pike-like fish (pl.)
48 Worshipping
51 Drinks with tongue
53 Serbian coin
55 Genus of herbs
58 Uttered falsehoods
60 Hard-shelled fruits
62 Existing in form of long-term debt
65 Idol
66 Swivel-hooks used in rope-making
68 Wakening
70 Football position (abbr.)
71 Part in play
72 Parts of head
73 Aviator
75 Crafty maneuvers
76 Transfix
77 Addition to house
78 Nome in Greece
79 Lasso
81 Bushy clump
82 Mischievous child
83 Pertaining to an earthquake
85 Flat-bottomed boat
86 Foot covering
88 Emphasize
89 Samoan seaport
90 Knob on shield
91 Trip
92 Beverage (pl.)
93 Spanish title
95 Secret writing
96 Track follower (coll.)
97 Wearing away
100 Diplomacy
101 Mournful
102 Let fly suddenly
104 Wire nail
105 Click beetle
106 Peer Gynt's mother
107 Daggers
109 Consume
110 To profit (poetic)
111 Twining stem
112 Prefix: again
113 Bartering
115 Evil spirits
117 Skip about
118 Respect
120 Aromatic herb
122 Face of clock
123 Glutted
124 Slumber
126 Recom-pensed
128 Slanting
130 End
132 To stitch
134 Tree covering
137 Kind of cheese
141 To sin
142 Singing voice
144 Precipitation
146 Rests
148 Palm leaf
149 Symbol for sodium
150 Proceed
151 Clay vessels
154 South American ostrich
156 Near
157 Pertaining to arm bone
159 Outcome
160 Pursue
162 Indite
164 Ovules
165 English city
166 Planted
167 Satisfies

VERTICAL

- 1 Sheep's cry
2 The large artery
3 Therefore
4 Doctrine
5 Trim
6 Substance
7 Preposition
8 A problem
9 Spoken
10 More rational
11 Unflinching in courage
12 The whole
13 Den
14 Goose genus
15 Transferred title to land
16 Rules
17 Western Indian
18 Toward
19 Senior
20 Cuts into strips
27 Revolving machine part
29 Fresh-water duck
33 Man's nickname
35 Gobs (coll.)
38 Instructed
39 Partner (coll.)
41 To beg
43 Cuts quickly
45 Stimulate
47 A squad
49 Welsh river
50 To turn right
52 To pack
54 Convent dwellers
55 Soils
56 Soap plant
57 Trifling
59 Exhausts
61 Wooer
63 Man's name
64 Depressions
66 Secular
67 A tax
69 Opening
72 English essayist
74 Latin for "and"
76 Exercising control
78 Turkish prince
79 Stratagems
80 Around
82 Begot
84 Speck
85 Seed container
87 Not at home
88 Walk heavily
90 Blunt needle
91 Whistled
92 Lake in Russia
93 To gaze
94 Gives relief to
95 To comb
96 Bullfrog
97 Goddess of discord
98 Time being
99 Avarice
101 Pacific Island native
103 Pronoun
104 Votes
107 To endure (archaic)
108 Crisp cooky
110 Small bottles
111 River boat
113 To relate
114 Snatch
116 Force
117 Spanish title
119 Former Russian ruler
121 Daily record (pl.)
123 A girdle
125 Writing implement
127 Colorless
129 Coupled
130 Botanical classification
131 Pope's veil
133 More evil
135 Scottish skirts
138 Perform
139 Wing-shaped
140 Companions
142 Jutting rocks
143 Artifice
145 Roman emperor
147 Stitches
150 Run about
152 Rumor
153 Adage
155 Macaw
158 Point of compass
161 Civil engineer (abbr.)
163 Pronoun

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Making our own clothes may lead to a fine career

By ANN BARRETT

ANY girl brought up on a farm or in a rural community knows full well how delightful the winter can be in the country, especially if she has several new frocks to wear to parties and dances.

Dates and parties are very important in a young girl's life, and it seems to be an inspiration to help develop an urge to sew and make pretty things. Many girls we know, can do a creditable job with the needle in making their own clothes, and with the help of Mother, are turning out attractive wardrobes, including school dresses as well as party dresses.

Become an Expert

Once you try your hands at sewing there is no end to the things you can make at home. Your first effort may not be so successful, but you will in time find yourself improving steadily, until who knows, you may become to be an expert.

Many girls have found sewing at home with their mother, most companionable, and in many cases have blossomed out into wonderful careers as designers and stylists. As their efforts improved, their interest in style and design increased and before long they began professional training in that field. So let us begin sewing for our immediate needs, for who knows what the future may bring!

Pretty clothes do wonders for feminine charm, and gives a lift to our spirits, but we can't all afford to buy the nice things we see in the shops. However, we can choose materials in gingham, piques, chambrays, seersuckers, spun rayons or linens, and buy a pattern with our correct size, then go to work.

Sewing is really a family affair. In years gone by, women made all the clothes for their families as a matter of course... in those days it was the only way to get them. So

evidently deep in every women's heart there has always been a desire to learn to sew, and it won't be long before our young daughters will be trying their hands on home-sewn clothes.

Choose Suitable Style

Whatever your type may be, learn how to choose suitable styles and fabrics and your sewing will give you greater satisfaction. First, analyze your figure to determine what faults to be concealed and the virtues to be enhanced. Are you short, tall, thin, fat or average?

Simplicity should be the keynote for the short full figure and be very discriminating about frilly type of clothes. Easy-to-make button-down-front dresses are comfortable and look well on most everyone, and longer jackets will lend length to two-piece dresses. Tall, slim figures can wear almost any style, however, jackets and skirts should not be made too short with the hope of giving a shorter appearance, because it gives the appearance of having outgrown the clothes.

The average person needs to be more concerned about choosing complimentary colors than worrying about style, so any color that is becoming is a good choice.

Cutting Out

Perhaps the most important step in the making of a garment is the cutting out, and that is why it is important to choose a pattern the correct size for your measurements. Dress patterns are chosen according to bust size, from a junior to the largest size which is 46. Coat and suit patterns are also chosen the same as for dresses, while skirt patterns are bought according to the hip size.

It is wise to spread your material on a long table and lay out all the pattern pieces accordingly to be sure you have sufficient material before cutting. Pin your pattern pieces until they are all in place, then cut, piece by piece, but first, be sure that all pieces are on the straight grain of the material. The entire garment can be ruined if the straight grain of material is disregarded. There are directions and a chart with all patterns, so be sure to follow all the chart requirements.

After cutting out the garment, do not remove the pattern from the material until you have chalked up all darts and tucks and other directions. Then you can start to assemble the pieces and you will find that quite a large part of every garment

can be assembled before the fitting, because you adjusted the pattern before cutting.

Pressing Important

Baste seams before sewing on the machine, and when machine stitched, it is important to press each seam after it has been stitched and pinked. Darts, tucks and pleats should also be pressed immediately after stitching. Up and down seams, such as side seams or gores in skirts are generally pressed open unless the pattern shows otherwise. Shoulder seams are also pressed open and armhole seams are pressed in toward the neck in dresses, and out toward the sleeve in suits.

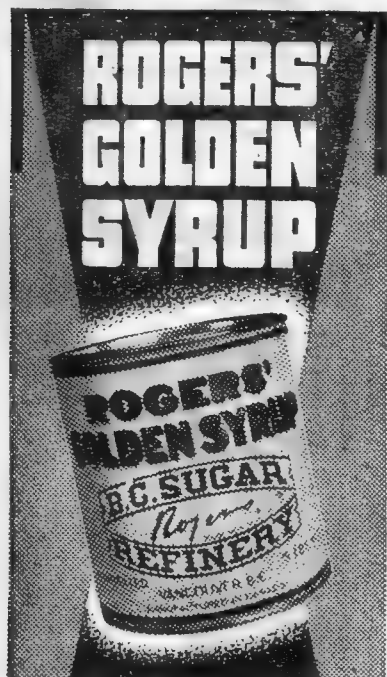
However, be sure to check fabrics very carefully before pressing, so that the proper heat is used. Material can be damaged by too much heat, so regulate the temperature of your iron when pressing. Rayons can't stand much heat, so a warm iron only should be used, and of course pressing should be done on the wrong side of all materials using a damp cloth. Cotton and linens require a moderately heated iron.

Inserting Zippers

Many would-be sewers ask about the right way to insert zippers on clothes, and one way of putting in the side placket zipper of a dress is to sew up the placket opening on the fitted line with a basting, and put the zipper in while the placket is stitched or basted closed. It can't possibly stretch then. Here is how you do it. While the dress is inside out, stitch the opening together and press the seam open. Fold the back seam forward about 1/8 inch and sew to the zipper from the lower end to the top. Be sure the open end of the zipper is at the top of the dress. Now, turn the dress to the right side, stitch across the top and down the length of the zipper about 1/2 inch from the seam and across the lower edge to the side seam. Then rip the basting used and the zipper is completed.

When inserting a skirt zipper, the only difference between the dress and the skirt, is that the zipper in the skirt starts about 3/4 of an inch down from the top of the skirt to allow for the seam of the waistband. The zipper is always put in before the waistband is attached.

When hems, facings and plackets have been well pressed and buttons and trimmings have been added, your garment will be ready to slip on, and you will have the satisfaction to know you have accomplished this useful art through your own efforts.



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Country Diary

OCTOBER's here again — to us the tenth month, to the old Romans the eighth, hence its name.

Chill fingers of fall mornings probe the prairie with tentative hints of winter, before the bold frontal attack charges into the fray on icy winds and snow flurries to rout the lingering warmth of rare Indian summer days. There is a feeling of uncertainty at the day's beginning; the mists of late summer and early fall are no longer soft veils that fell apart under the sun's warming glow. They are slow to disperse now, and thicker and colder; it is often mid-morning before the sun can dispel them, and even then the air stays sharp and crisp.

There are nightly frosts and often the aurora gives warning of colder days. Flashes of orange, green and violet low on the horizon one evening called forth arguments from the technically-minded young fry as to the meteoric arch and magnetic north, positive and negative electric charges and so on. But I was looking at one of Nature's greatest wonders that began billions of years ago and will go on till eternity for all I'll ever know.

We know, of course, that the real campaign will be launched finally, when the violent forces of wind and snow are unleashed, but the minor encroachments of winter may be halted by a couple of days of returning Indian Summer, a gracious interlude which in the Mother Country is known as St. Luke's Little Summer. I have recorded it before as happening somewhere near October 28th — St. Luke's Day on the calendar. And that is the opportunity to snatch the last picnic from the year. I have known many a golden October Sunday afternoon of polished stillness, cloudless sky, pleasant warmth; and there was the leaf-strewn good earth that mothers us all to lie on with the drone and buzzing of busy insects to lull one into drowsiness. The tomato and egg sandwiches and lemonade became Olympian. It was all a simple antidote for the anxious thoughts and nervous strain of today's living. And of course you took your favorite poetry book and the dog. Such a picnic is good in any month, but in October it becomes special.

The pride of October lies in its rich tapestries of color contrasts and harmony. Poplars shimmer in cloth of gold from top-most boughs to earth; crimson rose hips glint along the roadsides; (the wild birds will discover them later on when other food sources are exhausted.) the maple glows in a new red dress and willows drop their pale leaves and fall asleep till their twisted branches glow again with early sap. And soon a carpet surpassing in intricacy

anything of man's weaving will cover the woodland trails, and nut-brown mounds of drying leaves will form around the foot of the trees.

The woods of the old divine and poet, John Donne, who died in 1631 are often quoted today. He wrote:

"No spring, nor summer beauty,
hath such grace
As I have seen in one autumnal
face."

□ □ □

The missing minerals

Housewives who peel the potatoes for dinner right after the breakfast dishes are out of the way fail to realize that prolonged soaking allows a good part of the vitamin and mineral value of the food to escape... not to mention the flavor.

□ - □ □

A potato puff that is as light as a hummingbird's wing and as delicious as something dreamed of by fairies is done in this way: Beat 3 cups of freshly boiled and riced potatoes with 1 egg yolk, salt, pepper (to taste), a little nutmeg and enough hot milk to make the mixture like a croquette mixture — only a little softer. Let this stand overnight. When wanted, heat until light, shape into spoonfuls, dip them in beaten egg white, then in fine crumbs, again in egg and crumbs and fry to a golden brown in deep hot fat. Garnish with paprika.

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Treat yourself or someone you love to these! Pattern 747: transfer 12 motifs 2 3/4 x 10 to 4 x 7 1/4 inches.

Send TWENTY-FIVE CENTS in coins (stamps cannot be accepted) for this pattern to Farm and Ranch Review, Needlecraft Dept., Calgary, Alberta. Print plainly PATTERN NUMBER, your NAME and ADDRESS.

Sweet 'n tasty!



it's a sure-fire winner!

A festive touch for any meal—this delectable Swedish Tea Ring—richly spiced with cinnamon and currants. The family will pronounce you "best cook ever"—if you make it with modern Fleischmann's Royal Fast Rising Dry Yeast!

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amazing new yeast which gives you the fast action and finer results of *fresh yeast*—yet keeps full-strength in the cupboard for weeks!

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SWEDISH TEA RING

New Time-Saving Recipe—Makes 2 Rings

Measure into large bowl... 2/3 cup lukewarm water,
1 tablespoon granulated sugar
and stir until sugar is dissolved.

Sprinkle with contents of... 3 envelopes Fleischmann's Royal Fast Rising Dry Yeast.
Let stand 10 minutes, THEN stir well.

In the meantime, scald... 2/3 cup milk.

Remove from heat and stir in... 1/2 cup granulated sugar,
1 1/4 teaspoon salt,
6 tablespoons shortening.

Cool to lukewarm and add to yeast mixture.

Stir in... 3 eggs, well beaten

Stir in... 3 cups once-sifted bread flour and beat until smooth.

Work in an additional... 3 cups once-sifted bread flour. Turn out on lightly floured board and knead dough lightly until smooth and elastic. Place in greased bowl, brush top with melted butter or shortening. Cover and set dough in warm place, free from draught. Let rise until doubled in bulk. Punch down dough and divide into 2 equal portions; form into smooth balls. Roll each piece into a 1/4-inch thick oblong. Cream until soft... 1/4 cup butter, and mix in...

1 cup brown sugar (lightly pressed down),

2 teaspoons ground cinnamon.

Spread this mixture on oblongs of dough and sprinkle with... 1 cup raisins or currants.

Beginning at a long edge, roll each piece up like a jelly roll; place each roll on a greased large baking sheet and shape into a ring, sealing ends together. Grease tops. Cut 1-inch slices almost through to centre with scissors and turn each slice partly on its side. Cover and let rise until doubled in bulk. Brush with 1 egg yolk beaten with 2 tablespoons milk. Bake in moderate oven, 350°, 25 to 30 minutes.

If desired, spread tops, while warm, with a plain icing. Serve hot, with butter.



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For over 50 years, Canadians have used Dr. Chase's Kidney-Liver Pills—for backache and painful joints, kidney and liver disorders and a sluggish system. Try Dr. Chase's Kidney-Liver Pills tonight. At all drug counters. 17



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Any time is sandwich time

THE appearance of sandwiches may be varied by using different kinds of bread—white with whole wheat, raisin or rye, make good combinations. Fancy breads such as orange, date or peanut bread make good sandwiches. Weiner rolls or hamurger buns may also be classed as sandwich breads.

Many sandwiches may be served, either plain or toasted. Cheese, ham and peanut butter sandwiches are particularly nice when toasted.

Here are some easy combinations for sandwich fillings:

CHEESE

(cheddar, processed, cottage, or cream cheese). Soften with salad dressing, milk or fruit juices and mix with one of the following—

1. Chopped nuts and raisins.
2. Pickle relish.
3. Dates and nuts.
4. Onion juice or chopped chives.
5. Chopped, preserved or candied ginger.
6. Jams, jellies, or marmalads.
7. Sliced cucumber.
8. Malaga grapes, sliced, halved or chopped.
9. Crisp bacon, chopped.
10. Chopped hard-boiled egg, seasonings, chili sauce and chopped pickle.

HAM

1. Ground with nuts and mixed with salad dressing.
2. Ground with olives, dill or sweet pickle, and mixed with salad dressing and mustard.
3. Sliced with mustard and lettuce.
4. Sliced with pickle or relish.
5. "Double decker" ham and cheese, plain or toasted.

EGGS

1. Sliced hard-cooked with salad dressing.
2. Chopped hard-cooked with salad dressing and seasoning (curry powder, onion, etc.)
3. Chopped hard-cooked with salad dressing and/or chili sauce.
4. Chopped hard-cooked and chopped corned beef with salad dressing, onion.
5. Chopped hard-cooked, with pickle, olives, celery, or nuts and salad dressing.
6. Fried (served hot with catsup on toast).
7. Western . . . omelette made with chopped bacon and onion on toast or bread.

PEANUT BUTTER with . . .

1. Salad dressing, fruit juice, honey, or onion juice.
2. Marmalade, jam, apple sauce, jelly, spread on bread.
3. Sliced tomato, lettuce and salad dressing.
4. Mashed or sliced banana and salad dressing.
5. Chili sauce and crisp bacon.
6. Chopped celery and chopped nuts.
7. Chopped dates or other dried fruit.
8. Honey and grated cañot (carrot can be put through chopper).

MEATS

1. Bacon, sliced tomato, seasoning, salad dressing.
2. Meat salad, e.g., chopped chicken, veal, or pork, with celery added.
3. Sliced cold roast pork and potato salad in weiner rolls.
4. Sliced tongue, pickle relish, lettuce, mustard or salad dressing.
5. Sliced headcheese, pork hock, beef, bologna with mustard or horseradish.
6. Sliced meat loaf, cold hamburger and chili sauce or other seasonings.
7. Ground corned beef, egg, onion and salad dressing.

VEGETABLES FRUITS NUTS

1. Marmalade and chopped nuts.
2. Cucumber, cream cheese and salad dressing.
3. Chopped green or ripe olives and nuts (peanuts, walnuts, cashews, etc.)
4. Sautéed mushrooms or cream of mushroom soup (rolled and toasted).
5. Figs, minced with orange juice and rind, on raisin bread.
6. Finely chopped vegetable salad.
7. Grated or ground carrot and honey with onion juice or peanuts.
8. Baked beans, mashed, with chili sauce and bacon.
9. Ground walnuts, chopped pimienta and salad dressing or catsup and onion juice.
10. Dates, peanut butter and orange juice (may use date paste or chopped dates).

For burns, scalds, sunburn

One of the most helpful applications for sunburn, also for superficial burns and scalds, is baking soda, bicarbonate of soda. It may be applied either as a powder, as a thick paste or as a saturated solution, but probably the most practical application is as a paste which should be kept moist with wet cloths.

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Sudsing Action
Sweeps Away Dirt and Stains
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Showy White
Rinses Away Completely
leaves no gritty sediment! It's
safe! Kind to the hands!



*Tests Prove New Sudsing Action
Old Dutch Cleanser Cleaned Faster, Easier
Than Any Other Leading Cleanser

AUNT SAL SUGGESTS . .

*The nights are getting cooler,
The days are shorter too;
Let's talk of ways to help old
tasks
To seem a little new.*

EVERY so often I take a few hours off to clean out my desk . . . not that it needs it, of course (?), but just for exercise. I really hate to destroy the accumulation of letters that crowd my files. And oh so many of them come from readers of the FARM AND RANCH REVIEW who seem to feel I can help them with some homemaking chore . . . But you'd be surprised how many busy women take time out to pass on whole pages full of cute quick ways they like to do plain homey jobs. The desire to share is the very core of neighborliness, isn't it?

So right here I'll say "Thank you, neighbors. I did not consign your letters to the fire until I'd copied down all your fine tips. I'm going to pass on as many as this column will take this very month."

Keep spring clothes pegs in your knitting bag and clamp them on the ends of your knitting needles when you have to put your knitting aside for a rest.

Did you ever notice that an egg will fit right snugly in the top of a milk bottle? So no need to hunt for a misplaced bottle cap . . . just let an egg substitute.

A lump of laundry starch does a good job of removing grease stains from wallpaper.

A very neat looking bandage can be placed on even harum scarum Jimmy's finger if you seal the end of the bandage with clear nail polish and also brush the polish over the ravelings.

You've all heard of the practice of sewing rubber rings on the under side of mats to keep them from skidding. But have you heard of gluing rubber rings on the under side of the pastry board to keep it from skidding when you're using it on a slippery table top?

The drying of your sweaters will be hastened greatly if you place the garment on a heavy towel and roll it out with a clean rolling pin.

Many women have used the trick of loosening jar tops by inverting them in hot water . . . but have you ever thought to stick small bottles such as extract bottles in the mouth of the teakettle to loosen them? Works the same way.

If the baby's bottle nipple gets too porous for his use, just stretch it onto a beverage bottle and use it as a sprinkler to dampen the clothes for ironing.

Long seams can be ripped easily if the material is held under the pressure foot of the sewing machine. This will serve as a third hand . . . And how often during the course of the day a housewife does not crave that very thing . . . a third hand.

Bye bye for new . . . and every good wish.

AUNT SAL.

LET'S ASK AUNT SAL.

*Two heads can solve it better
than one,*

*The old rhyme used to say;
So try out the truth of that
adage now.*

And write to Aunt Sal today.

IT gave me such a warm glow in the regions of my heart when I received a letter from Miss L. C. telling me that the recipe for Orange Chiffon Cake which she took from this column helped her win first prize at a fair in Saskatchewan. Congratulations! And now the same lady wants the recipe for Windblown Cake. I was so happy to be able to run this one down for her. May it, too, bring her prize-winning results.

WINDBLOWN CAKE

3 eggs separated, $\frac{2}{3}$ cup cold water, $1\frac{1}{4}$ cups sugar, $\frac{3}{4}$ cups cake flour, $\frac{1}{4}$ tsp. salt, 1 tsp. baking powder, $\frac{1}{2}$ tsp. flavoring.

Method:—Beat egg yolks and water till one quart of froth. Add sugar gradually all the while. Sift three dry ingredients. Fold them in. Add extract and last stiffly beaten egg whites. Bake one hour in medium oven.

I am still receiving requests for copies of the W.I. cook book put out by Southern Alberta W.I. this summer. Again I state very regretfully that the entire stock has been sold. However I am very glad to be able to recommend two other very fine cook books that have been put out by two church groups in Saskatchewan and British Columbia respectively. I have copies of both of these cook books that each group still has about 200 left on hand. The first cook book was put out by the Ladies' Aid of St. Andrew's United Church at Rossland, B.C. Their book sells at \$1.00 and you will surely get fine value for your dollar if you write to: Mrs. D. R.

Calder, Secretary St. Andrew's Ladies' Aid, Rossland, B.C.

The second book was put out by the United Church choir of Kennedy United Church, Kennedy, Sask. Their book sells at \$1.50. It is larger and is done in the ring binding. Write to Mrs. P. W. Swan, Box 7, Kennedy, Sask., for your cook book in this case. I'd like to repeat that I can highly recommend both of these cook books!

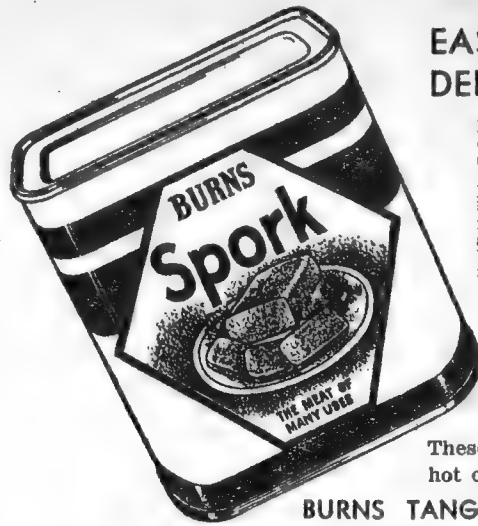
QUESTION:—Please tell me how to remove stains on white enamel stove that were caused by water I believe. I tried different things and it seems to be set right in the enamel. (Mrs. N. S., Sand Hill, Man.)

ANSWER:—I wish you had mentioned some of the "things" you had tried on these stains and I'd know more what to advise you. Have you tried scouring with a damp cloth dipped in soda, or a paste made of salt and vinegar . . . or liquid ammonia? Of course never clean while hot or never use acid cleansers.

QUESTION:—Please tell me how to make (1) Vinegar pie, (2) Raw potato pancakes, (3) Cheese from milk like the cheese you buy.—(Mrs. W. R., Tiger Lily, Alberta.)

ANSWER:—I have given Potato Pancake recipe before in this column, so I sent a separate recipe to this friend . . . also a recipe for Vinegar Pie. But the cheese recipe had me stuck as I've never made any cheese except Cottage Cheese . . . so I'd be so glad if any of you genuine cheese-makers would help me out by writing me and sharing your cheese secrets with us.

NOTE:—All readers are invited to send in their homemaking problem to AUNT SAL, care of THE FARM AND RANCH REVIEW, Calgary. If you desire a quick private reply, please enclose a stamped self addressed envelope.



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The Dishpan Philosopher

Now that October has come in I guess we maybe could begin to tune some programmes in again, or read a story now and then. The shorter days and longer nights it seems to me some change invites. You'll think I'm crazy more or less such strange ideas to confess. But don't you think that after all, with all we've done from spring till fall, a little let-down is our due? I put the question up to you. We won't be idle, goodness knows, but, just till Christmas come and goes, what chances for a slow-down strike and doing more of what we like?

We'd still do beds, of course, and floors, and all the other household chores, and cook and serve the usual meals, and darn the endless toes and heels. On where we'd find some time that's free I'm not so certain—you tell me!



Sleep combats fatigue

Most adults should not cut their average sleeping time below eight hours if it can possibly be avoided. Jumpy nerves, loss of weight and lack of stamina are common results of too little real deep rest. You'll sleep better and awaken more refreshed if you open the windows wide and let in plenty of cool, fresh air. Remember, sleep combats fatigue, the enemy of the working man. Take all the sleep you need.

The vitaminized label

When buying apple juice, housewives should look for the label "vitaminized", which means the apple juice has been fortified with vitamin C. This is the vitamin commonly found in oranges and grapefruit. For variety, then, you can serve "vitaminized" apple juice instead of orange juice for breakfast.

In small packages

What's in an egg? The answer is good flavor plus high food value. A single egg contains proteins, fats, iron, phosphorous, calcium and vitamin A. Eggs are easy to cook, can be served in countless ways and are an easily digested food for young and old. Nutritionists say we should eat eggs at least three times a week.

Diet in the declining years

As a person grows older he usually becomes less active and has less need for energy foods. But he still needs the same amounts of foods containing vitamins, minerals and proteins. The elderly person needs foods that are easily digested and some senior citizens get along better on smaller meals with mid-morning and mid-afternoon snacks. Good feeding does not happen by chance. Make sure your family is getting the proper foods for health.

Protect your children

Youngsters are intensely curious and love nothing better than to experiment with knives, razor blades, ice picks, matches and rat poison. Because of this very natural curiosity, parents should see that such dangerous items are kept out of reach or, better still, locked away. Blunt, small scissors with rounded ends are best for children's cut-out games. Safety in the home is an important practice. More accidents occur in the home than any place else.

A Valuable Food

CHEESE is one of our most valuable foods and deserves a prominent place in meals for both adults and children. In fact, nutritionists say it is almost a perfect food, like milk. It contains fat for energy, minerals—particularly calcium and phosphorus—and also vitamin A and B complex, each of which is essential to good health.



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EATON'S

WHAT GOES WITH SOUP?

JUST look at the cheery variety of foods to serve with soup. Choosing well counts! When soup is good and the accompanying food complements, the spirit becomes gay during the eating.

In selecting soup companions, let's consider contrast in texture . . . a crisp food perhaps. And keep in mind flavors which blend with the soup.

1. **Cheese straws**—delicious with Cream of Celery, Tomato, and Cream of Asparagus Soups, Bouillon and Consomme.

2. **Biscuit bobbles**—cut biscuit dough into small square "pillows" and bake. Or use a 1-inch cookie cutter and bake in 425° oven about 10 minutes or until lightly browned. Serve with Tomato, Beef, Vegetable, Ox Tail or Pepper Pot Soups, or Scotch Broth.

3. **Crisp specialties**—
Popcorn—just right for Tomato Soup, Green Pea or French Canadian Style Pea Soup. This is one the children love.

Cheese Popcorn—associate it nicely with Cream of Celery, Tomato or Cream of Asparagus Soups. Also makes good soup garnish.

Potato Chips—good with Tomato, Beef Noodle, and Vegetable Soups, Bouillon and Consomme.

4. **Crisp fresh vegetables**—

Carrot strips and celery—go with choices of reducing ladies. Others like them too with most soups.

Stuffed celery—blend equal amounts of cream cheese and Bleu cheese with a little cream. Then stuff the celery stalks, chill and serve with light soups.

Bright Balls—add a little minced onion and cream to grated pro-

cess Canadian cheese; shape into balls and roll in grated carrots; chill. Spear with a toothpick. These balls are a treat to serve with Tomato, Beef Noodle, Cream of Mushroom, French Canadian Style Pea Soups or Consomme.

Carrot crisps—halve some carrots and cut out most of the core. Add ½ teaspoon Worcestershire sauce to a package of cream cheese; stuff into the scooped-out carrots. Chill, then eat with Chicken Gumbo, Chicken Noodle, or Chicken with Rice Soups.

5. **Toasted bread**—guaranteed to be good with soups.

Buttered toast

Croutons

Hard Rolls

Melba Toast

Rusk

Fresh bread, plain or fancy

Bite-size dry cereals

6. **A few other finger foods to eat with soup**—spear with toothpicks if needed.

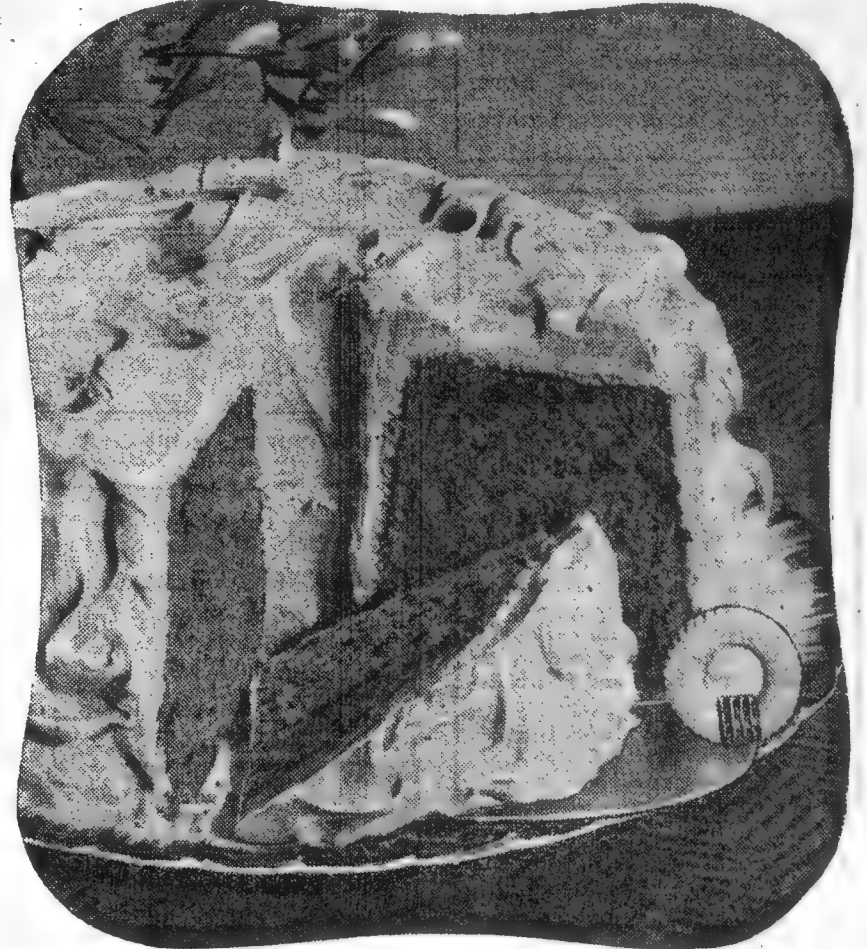
Cranberry pin-wheels—cut crust off unsliced bread; slice thinly lengthwise. Spread with cranberry jelly, roll pin-wheel style around a whole peeled banana; chill. Slice and have with Cream of Chicken Soup, Chicken Noodle, Chicken with Rice or Chicken Gumbo Soups.

Cheese and beef balls—roll cream cheese into balls. Cut dried beef into shreds; roll cheese in the beef. Serve with Green Pea, French Canadian Style Pea Soup or Cream of Mushroom Soups.

Squares of sharp cheese—for eating with light soups.

Saucy peanut sandwiches—mix equal amounts peanut butter and ketchup; spread on bread. Cut bread into half diagonally; toast lightly under broiler. Use with cream soups.

To Make a Man Beam...



this mocha masterpiece

by **MAGIC!**

What man could resist this exotic dream of a cake . . . coffee-flavored . . . speckled all through with shaved chocolate . . . spread over with billowy-deep coffee frosting! Delicate to the last wispy crumb—made light as chiffon with Magic!

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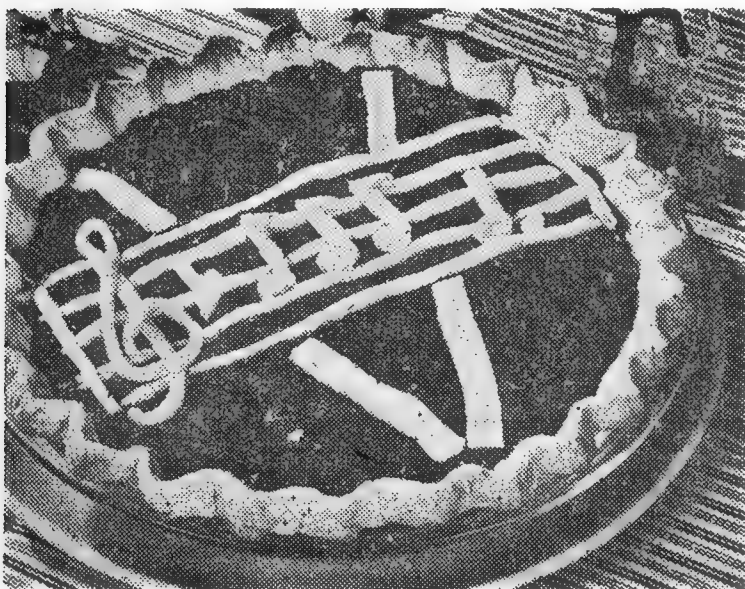
MAGIC MOCHA CHIFFON CAKE

2¼ cups sifted cake flour
3 tsps. Magic Baking Powder
1 tsp. salt
1½ cups fine granulated sugar
½ cup salad oil
5 unbeaten egg yolks

¾ cup cold strong coffee
1 tsp. vanilla
3 ounces chilled semi-sweet chocolate, thinly shaved
½ tsp. cream of tartar
1 cup egg whites

Sift flour, Magic Baking Powder, salt and sugar into mixing bowl. Make a well in the centre of flour mixture and add salad oil, egg yolks, coffee and vanilla; mix these liquids a little with mixing spoon, then combine with flour mixture and beat until smooth. Add chocolate and beat to combine (a potato peeler shaves chocolate thinly). Sprinkle cream of tartar over the egg whites and beat until very, very stiff (much stiffer than for a meringue). Gradually fold

egg-yolk mixture into the egg-white mixture. Turn into ungreased 10" deep tube pan (top inside measure). Bake in rather slow oven, 325°, 1½ to 1¾ hours. Immediately cake is baked, invert pan and allow cake to hang, suspended, until cold. (To "hang" cake, rest tube of inverted pan on a funnel or rest rim of pan on 3 inverted small cups.) Remove cake carefully from pan and cover with a brown-sugar, 7-minute frosting in which strong coffee is used in place of the usual water.



Economical Raisin Pie

By LOUISE PRICE BELL

2 cups water	¼ teaspoon salt
2 cups seedless raisins	1 tablespoon cider vinegar
½ cup brown sugar, firmly packed	1 tablespoon butter
2 tablespoons cornstarch	Pastry for 9-inch double crust pie
½ teaspoon cinnamon	

Add water to raisins and boil 5 minutes. Mix brown sugar, cornstarch, cinnamon, and salt, add all at once to boiling raisins and cook, stirring, until clear. Remove from heat, add vinegar and butter, and pour into pastry-lined 9-inch pan. Cover with top crust or crisscross strips of pastry, and bake in a hot oven (425°F) for 30 to 35 minutes, or until crust is nicely browned. Serves 6.

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SENSATIONAL — This ad. is valuable. Any 8-exposure roll developed and a "Double-size deckle-edge" enlargement from each negative all for 29c. Send this ad with roll and get special price. Regular price 35c. Only one to a customer. Photo Research Lab., Department E, Drawer 370, Regina, Sask.

THIS AD. IS VALUABLE — Send this ad. and only 29c with 8 exposure roll or 8 negatives and receive 8 sparkling prints complete in album — regular price 35c — only one to a customer — also Free "Library Enlargement" coupon. Album Photo Service, Dept. 159-A, Drawer 220, Regina, Sask.

POULTRY

COCKERELS — HAMPSHIREs, \$2; Black Minorcas, \$1. Henry Friesen, Morse, Sask.

RABBITS

MAKE MONEY! RAISE CHINCHILLA RABBITS. Real profits from breeders, furs, meat, laboratories. Pleasant! Easy! Write today! Rockhill Ranch, Sellersville 82, Pennsylvania.

CHINCHILLA GIANT RABBITS — From prize winning stock. Seniors \$4.50 to \$10.00. Juniors \$3.00. White Flemish giant Senior \$5.00. Junior \$2.50. Jean Morin, Gravelbourg, Sask.

WHEN WRITING THE ADVERTISERS, PLEASE MENTION THE FARM AND RANCH REVIEW

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- CITY HOMES. • FARM LOANS.
- REAL ESTATE. • APARTMENTS.
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All Types of Insurance—
HAIL, HOUSEHOLD, etc.

Campbell & Haliburton Ltd.

513 - 8th Ave. W.,
CALGARY — ALBERTA
M 7044 — PHONES — M 7034

5-ROOM SEMI-BUNGALOW Six lots, poultry buildings, garage, workshop, city limits. James Cain, 3516-3rd Ave. N.W., Calgary, Alta.

FOR SALE — Two lots comprising over half acre. Corner lot zoned for business. Inside lot has six-room two storey house with modern facilities. Chicken house, garage, fuel shed, twenty bearing fruit trees, close to stores, churches, schools, transportation. Cash. 704 Garden City Road, Lulu Island, Vancouver, B.C.

SAW MILLS

Portable Sawmill "Homesteader Special"

\$585.00 buys a saw and tie mill, 12 ft. 2-head block carriage with 42" log knees, 2 sections of track on 16 ft. ways. Has cable and drum. Standard "Little Giant" Husk, 2-7/16" Steel Mandrel, shrunk-on steel collar and Variable Belt Feed with Belts. This mill has "Little Giant" equipment throughout, and complete to your saw and power for \$585.00.

IMMEDIATE SHIPMENT

Sawmills with larger carriages and 3-section track ways priced as follows:

2-head block, 16 ft. carriage,

\$666.00

3-head block, 16 ft. carriage,

\$756.00

3-head block, 20 ft. carriage,

\$778.00

"LITTLE GIANT"

2 and 3 saw Edgers, complete with saws for:

2 saw arrangement, edges up to 4" x 33",

\$490.00

3 saw arrangement, with inside frame 33",

\$558.00

We sell and stock Planers, Power Units, Dodge Steel Split Pulleys, Belting, Truck Winches, Log Boomers and Snatch Blocks.

MACHINERY DEPOT LTD.

1029-39 Tenth Ave. West,
CALGARY Phone W 2992

SONG WRITERS

IF YOU WRITE WORDS for songs but cannot write music we can help you. Details free. Write today. Five Star Music Masters, 545 Beacon Building, Boston, Mass.

POEMS SET TO MUSIC — Songs copyrighted. Free examination. Send poems. Harmonyist, Box 68, Weston, Ontario.

POEMS considered for musical setting. Send your best poem, any subject, for immediate examination and useful Rhyming Dictionary. RICHARD BROTHERS, 18 Woods Building, Chicago.



Army Game

In Alexandria, Va., ex-G.I. Norman Harris, charged with impersonating a soldier, explained that he had put on the uniform only to get into Fort Belvoir for a game of cards with some of the boys.

Operation Trusty

In Michigan City, Ind., Trustees Walter Gump and Leo Stumbaugh, stopped while walking out of the Indiana State Prison, admitted that they did it frequently, had used their time off to hold up a store for \$4,145 and buy a Buick coupe, which they kept in the prison parking lot when it was not being used either for joyrides or for getaway purposes in other holdups.

Reverse Charges

In Mobile, Ala., Mrs. Mildred Rice read the fine print on her divorce decree, learned that she had been given custody of her ex-husband rather than her child.

Litter Perfect

In South Houston, Tex., a stray yellow alley cat wandered into the local post office building and gave birth to four kittens under the Special Delivery table.

Inside Information

In Charleston, S.C., Mannie Griffin, suspected of theft, yielded up the evidence — a \$20 bill and two \$1's — when police made him drink a solution of warm water and soap.

Reunion

In Zanesville, Ohio, Robert McNutt Campbell, 29, who landed in the city jail on a drunkenness charge, was surprised to see a familiar face in the adjoining cell: his father, whom he had not seen since 1929.

Closed Deal

In Oklahoma City, Mrs. Bessie Ledick told the court that when she offered to sell a set of false teeth to Fred E. Humphrey, he tried them on for size, seemed satisfied with the fit, but refuses either to return them or to pay up.

Know Thyself

In San Francisco, Parolee Malcolm D. Howard, hauled off to jail after his sixth burglary, muttered to police: "I don't know why I do these things."

Codicil

In Manistee, Mich., 83-year-old John Schultz admitted burning down his house and four other buildings on his farm, explained that it was the only way to stop his relatives from wrangling over who would inherit his property.

SPARROW TRAPS

NEW SPARROW TRAP. Rid your premises of disease-carrying, crop-destroying sparrows. Elevator-type, humane, factory-built. Guaranteed. Nothing like it. Write for money back trial offer and free literature. Farmers Supply Company, 706, Carman, Man.

TANNERS

TANNERS, Furriers, Fur Dressers—Furs stored and repaired, robe and leather tanning. Taxidermy. The Briggs Tannery, Offices and Factory, Burnside, Calgary, Alberta. Phone E 5430.

WATCH REPAIRS

WATCH REPAIRING—Honest watch repairing, 18 years experience. Guaranteed work, quick service by mail, reasonable. Also sell watches, bracelets, straps to order. Frank Varga, 2433-26th Street West, Calgary, Alberta.

Hearth & Home

In Hamilton, Mont., dismissing the divorce suit of Alva Palin, who had charged his wife with beating him up, District Judge C. E. Comer declared: "Slight acts of violence by the wife from which the husband can easily protect himself do not constitute cruelty."

Political Prisoner

In Washington, D.C., John Cyril Krafka, arrested for burglary, blamed it all on last fall's elections: "I bet \$4,000 on Dewey and I had to get the money somehow."

Expert

In Denver, Wendell Vincent, head of the local office of the Federal Food & Drug Administration, was recovering nicely from a case of food poisoning.

Loony Loot

In Ocala, Fla., burglars broke into Ross Allen's menagerie and took 23 alligators.

RHEUMATISM AND ARTHRITIS OFTEN LEAD TO CRIPPLING DEFORMITY

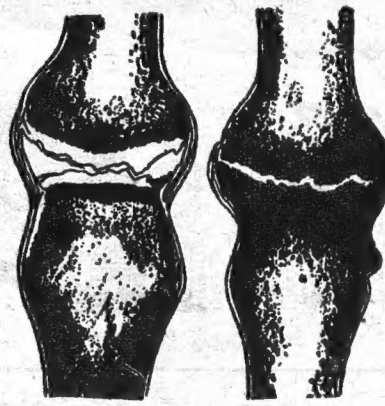
Free Book That Explains The Causes and Describes Proven Specialized Treatment Sent on Request

Excelsior Springs, Mo., Oct. 1—So successful has a specialized system proven for treating rheumatism and arthritis that an amazing new book will be sent free to any reader of this paper who will write for it. For those who suffer with aches, pains, stiff or sore joints, nervous-

ness, over acidity, systemic toxemia, colitis, or other rheumatic symptoms, this book entitled, "Rheumatism," fully explains why drugs and medicines give only temporary relief and fail to remove the causes of the trouble.

The Ball Clinic, Excelsior Springs, Missouri, has perfected a specialized system of treatment for rheumatism and arthritis, combined with the world famous mineral waters and baths. This system of treatment, which has proven successful for over thirty years, is fully described in a book that tells how it may be possible for you to find freedom from rheumatism.

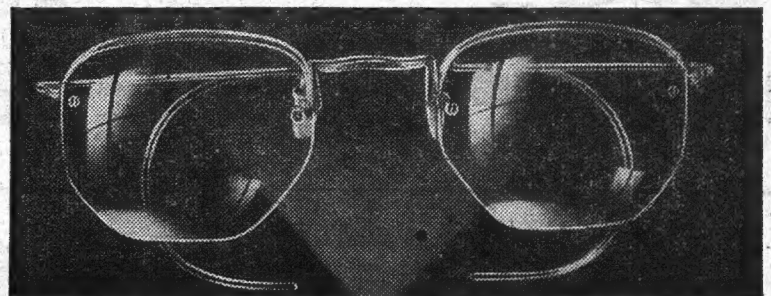
You incur no obligation in sending for this instructive book. It may be the means of saving you years of untold misery. For writing promptly, the Clinic will send their newly enlarged book entitled, "Rheumatism". Address your letter to The Ball Clinic, Dept. 506, Excelsior Springs, Missouri, but be sure to write today.



Early Stage

Destroyed Joint

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Dept. GB 144 273 Yonge St.
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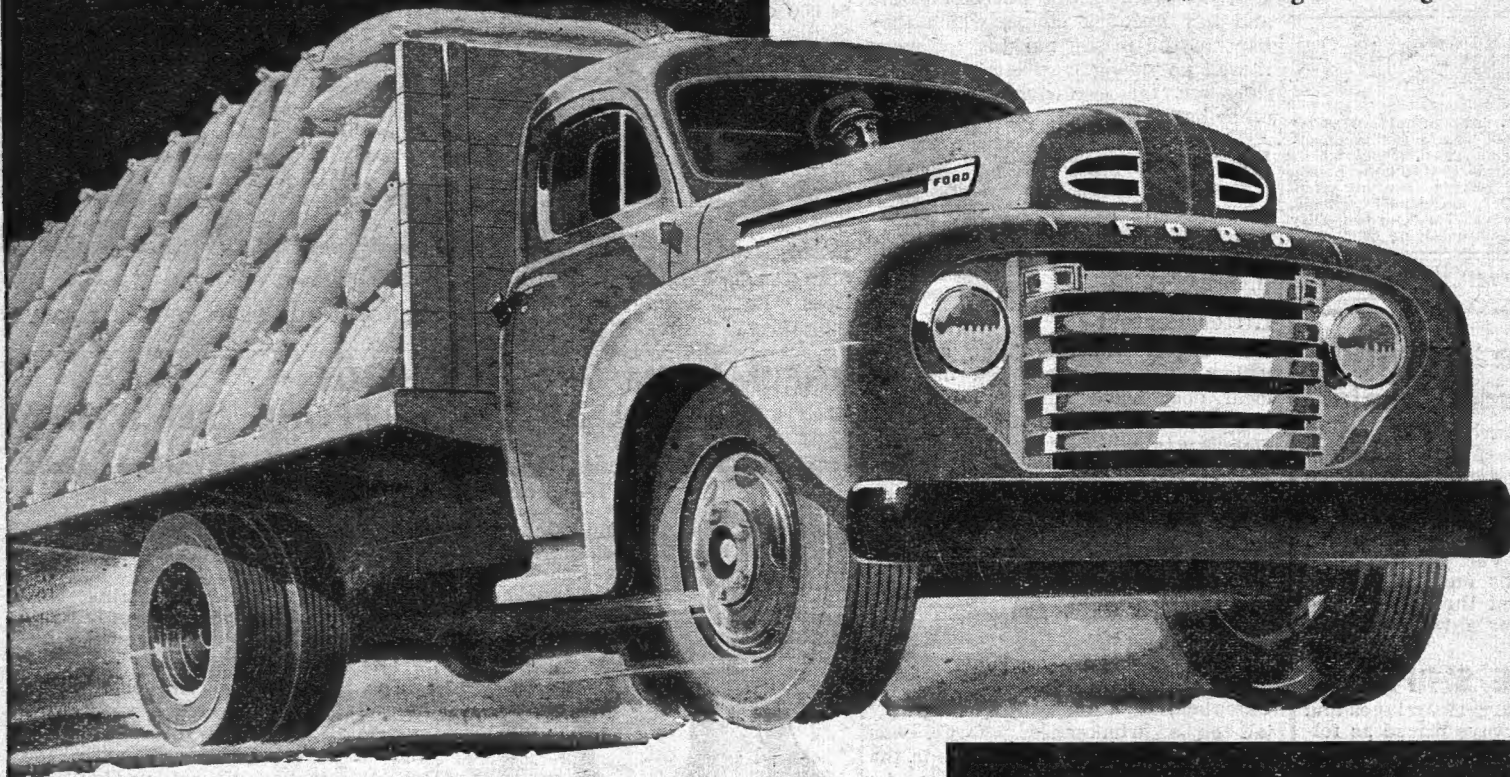
Victoria Optical Co., Dept. GB 144
273 Yonge St., Toronto, Ont.

Send me a pair of your stylish glasses on Money Back guarantee. Glasses to be returned within 30 days if not satisfied. Send free of charge your latest style sheet, eye tester, etc. This places me under no obligation. Send agents' proposition.

Name _____ Age _____
Address _____ P.O. _____ Prov. _____

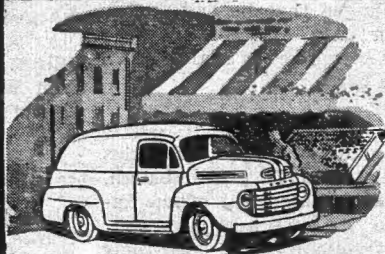
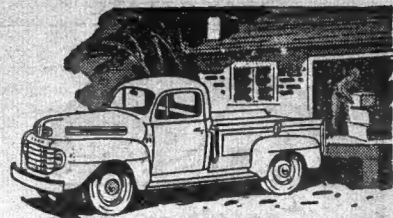
RENEW YOUR SUBSCRIPTION TODAY

BUILT STRONGER TO LAST LONGER



**I LIKE ITS
ECONOMY!**

No wonder Canadians use more Ford F-47 Pickup Trucks. With generous 45 cu. ft. load capacity (to top of box), they combine rock-bottom costs for gas, oil, upkeep!



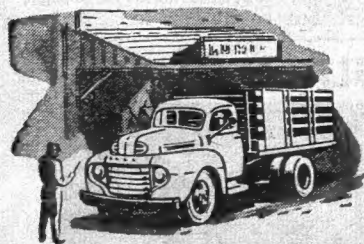
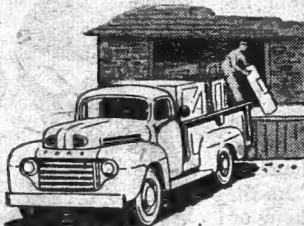
**APPEARANCE
COUNTS WITH ME!**

The beauty of the F-47 Ford Panel Truck is not merely in standout styling... but its *sealed tight* construction, and the fact it's built stronger to last longer.



**MY TRUCK MUST
DO MANY JOBS!**

When the truck must fit a wide variety of jobs and loads, many Canadian owners bank on the Ford F-68 Express, with its big, 62 cu. ft. body and 1-ton capacity.



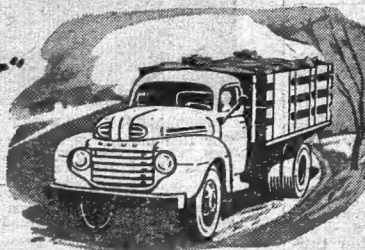
**MY LOADS
ARE BULKY, HEAVY!**

Canada's top "buy" is the famous Ford F-135 2-ton chassis... when it comes to loading flexibility. Choice of 134, 158 and 176 inch wheelbases—adaptable to practically all body styles.



**I NEED A TRUCK
THAT CAN TAKE IT!**

If your job strains the ordinary truck, make this your buying guide: More Canadians use the Ford F-155 3-tonner than any other make of heavy-duty truck!



SEE YOUR FORD TRUCK DEALER

**MORE FORD TRUCKS
used in Canada than
any other make**

Bonus Built

*** POWERFUL V-8 ENGINES**

Heavier, balanced crankshafts give extra work reserves.

*** EXTRA TOUGH AXLES**

Full Floating Rear Axles for longer life.

*** EXTRA STRONG FRAMES**

Give a wider range of use in all models.

*** "MILLION DOLLAR" CAB**

For "Living Room Comfort"... Level action cab suspension.

*** EXTRA EASY HANDLING**

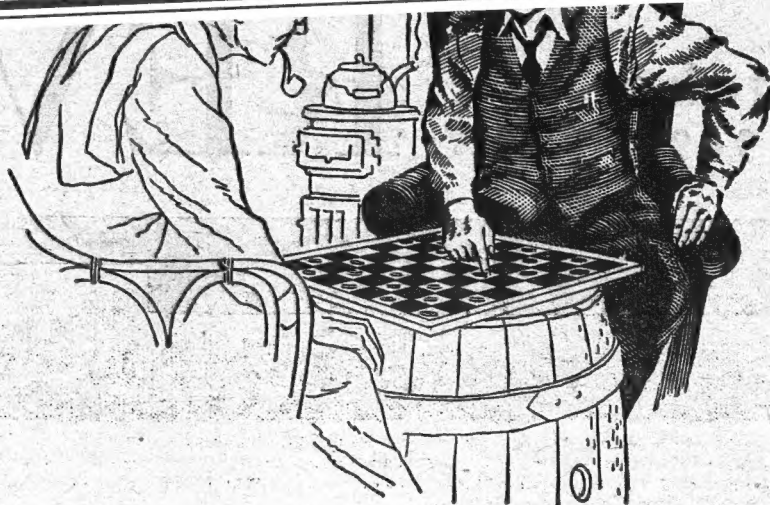
Heavy-duty roll action steering linkage—"Feather Foot" Hydraulic Brakes—Gyro Grip Clutch for low pedal pressure.

BONUS: "Something given in addition to what is usual or strictly due."

—Webster's Dictionary



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to have a choice

SUPPOSE you have what you feel is a good opportunity which calls for bank credit. If one bank cannot see it your way, or if you think you can get a better deal elsewhere, you're free to "shop around".

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*"Banks compete to
serve the most
diversified needs."*

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